

|   |   |      |      |      |      |   |                    |
|---|---|------|------|------|------|---|--------------------|
| Run on:   | September 10, 1999, 10:16:39 ; Search time 44.79 Seconds<br>(without alignments)<br>51.170 Million cell updates/sec | 38   | 15.4 | 61.6 | 2173 | 5 | PCT-US93-03942-1   |
| Title:  | US-09-056-153-2   | 39   | 15.2 | 60.8 | 499  | 1 | US-07 935 311A-1   |
| Perfect score:  | 25  | 40   | 15.2 | 60.8 | 499  | 1 | Sequence 1, Appli  |
| Sequence:   | 1 agttaaaacagcaagactcaaag 25  | 41   | 15.2 | 60.8 | 499  | 1 | Sequence 1, Appli  |
| Scoring table:  | IDENTITY_NUC  | 42   | 15.2 | 60.8 | 1830 | 3 | Sequence 1, Appli  |
| Searched:   | 176461 seqs, 45838279 residues  | 43   | 15.2 | 60.8 | 1830 | 3 | Sequence 1, Appli  |
| Database :  | Issued_Patents_NA:*   | 44   | 15.2 | 60.8 | 499  | 5 | Sequence 1, Appli  |
|   | 1: /cgn2_6/pidata/2/ina/5A.COMB.seq:*   | c 45 | 15   | 60.0 | 570  | 5 | Sequence 13, Appli |
|   | 2: /cgn2_6/pidata/2/ina/5B.COMB.seq:*   |      |      |      |      |   |                    |
|   | 3: /cgn2_6/pidata/2/ina/5C.COMB.seq:*   |      |      |      |      |   |                    |
|   | 4: /cgn2_6/pidata/2/ina/5D.COMB.seq:*   |      |      |      |      |   |                    |
|   | 5: /cgn2_6/pidata/2/ina/PCTUS93.COMB.seq:*  |      |      |      |      |   |                    |
|   | 6: /cgn2_6/pidata/2/ina/backfile1.seq:*   |      |      |      |      |   |                    |
| ALIGNMENTS  |   |      |      |      |      |   |                    |
| RESULT  | 1   |      |      |      |      |   |                    |
| US-07-961-522-1/c   |   |      |      |      |      |   |                    |
| Sequence 1, Application US/07961522                         |   |      |      |      |      |   |                    |
| Patent No. 5417971  |   |      |      |      |      |   |                    |
| GENERAL INFORMATION:  |   |      |      |      |      |   |                    |
| APPLICANT: POTTER, ANDREW A.                                |   |      |      |      |      |   |                    |
| APPLICANT: GERLACH, GERALD F.                               |   |      |      |      |      |   |                    |
| APPLICANT: WILLSON, PHILIP J.                               |   |      |      |      |      |   |                    |
| APPLICANT: ROSSI-CAMPOS, ANALIA                             |   |      |      |      |      |   |                    |
| TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS             |   |      |      |      |      |   |                    |
| TITLE OF INVENTION: PLEUROPNEUMONIAE                        |   |      |      |      |      |   |                    |
| NUMBER OF SEQUENCES: 9                                      |   |      |      |      |      |   |                    |
| CORRESPONDENCE ADDRESS:                                     |   |      |      |      |      |   |                    |
| ADDRESS: ROBERTA L. ROBINS                                  |   |      |      |      |      |   |                    |
| STREET: 635 BRYANT STREET                                   |   |      |      |      |      |   |                    |
| CITY: PALO ALTO   |   |      |      |      |      |   |                    |
| STATE: CALIFORNIA   |   |      |      |      |      |   |                    |
| COUNTRY: UNITED STATES OF AMERICA                           |   |      |      |      |      |   |                    |
| ZIP: 94301  |   |      |      |      |      |   |                    |
| COMPUTER READABLE FORM:                                     |   |      |      |      |      |   |                    |
| COMPUTER: IBM PC Compatible                                 |   |      |      |      |      |   |                    |
| OPERATING SYSTEM: PC-DOS/MS-DOS                             |   |      |      |      |      |   |                    |
| CURRENT APPLICATION NUMBER: #1.0, Version #1.25             |   |      |      |      |      |   |                    |
| APPLICATION NUMBER: US/07/961_522                           |   |      |      |      |      |   |                    |
| FILING DATE: 1992/10/15                                     |   |      |      |      |      |   |                    |
| CLASSIFICATION: 435   |   |      |      |      |      |   |                    |
| ATTORNEY/AGENT INFORMATION:                                 |   |      |      |      |      |   |                    |
| NAME: ROBINS, ROBERTA L.                                    |   |      |      |      |      |   |                    |
| REGISTRATION NUMBER: 33,208                                 |   |      |      |      |      |   |                    |
| REFERENCE/DOCKET NUMBER: 9000-0015_20                       |   |      |      |      |      |   |                    |
| TELECOMMUNICATION INFORMATION:                              |   |      |      |      |      |   |                    |
| TELEPHONE: (415) 617-8999                                   |   |      |      |      |      |   |                    |
| TELEFAX: (415) 327-3241                                     |   |      |      |      |      |   |                    |
| INFORMATION FOR SEQ ID NO: 1:                               |   |      |      |      |      |   |                    |
| SEQUENCE CHARACTERISTICS:                                   |   |      |      |      |      |   |                    |
| LENGTH: 2696 base pairs                                     |   |      |      |      |      |   |                    |
| TYPE: NUCLEARIC ACID  |   |      |      |      |      |   |                    |
| STRANDEDNESS: double  |   |      |      |      |      |   |                    |
| TOPOLOGY: Linear  |   |      |      |      |      |   |                    |
| MOLECULE TYPE: DNA (genomic)                                |   |      |      |      |      |   |                    |
| FEATURE:  |   |      |      |      |      |   |                    |
| NAME/KEY: CDS   |   |      |      |      |      |   |                    |
| LOCATION: 333..1973   |   |      |      |      |      |   |                    |
| US-07-961-522-1   |   |      |      |      |      |   |                    |
| Query Match   |   |      |      |      |      |   |                    |
| Best Local Similarity 80.0%; Pred. No. 24;                  |   |      |      |      |      |   |                    |
| Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0; |   |      |      |      |      |   |                    |
| Qy 1 agttaaaacagcaagactcaaag 25                             |   |      |      |      |      |   |                    |
| Db 2616 AGTGTAAATCACAGAGTCAG 2592                           |   |      |      |      |      |   |                    |
| RESULT  | 2   |      |      |      |      |   |                    |
| US-08-217-438-1/c   |   |      |      |      |      |   |                    |
| ; Sequence 1, Application US/08217438                       |   |      |      |      |      |   |                    |

Patent No. 5521072  
 GENERAL INFORMATION:  
 APPLICANT: Potter, Andrew A.  
 APPLICANT: Gerlach, Gerald F.  
 APPLICANT: Willson, Philip J.  
 APPLICANT: Rossi-Campos, Amalia  
 TITLE OF INVENTION: ACTINOBACILLUS PLEUROPNEUMONIAE  
 NUMBER OF SEQUENCES: 11  
 CURRENT APPLICATION DATA:  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Reed & Robins  
 STREET: 635 Bryant Street  
 CITY: Palo Alto  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94301  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/321,978  
 FILING DATE: 12-OCT-1994  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROBINS, ROBERTA L.  
 REGISTRATION NUMBER: 33,208  
 REFERENCE/DOCKET NUMBER: 9001-0015.02  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 327-3400  
 TELEFAX: (415) 327-3231  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2696 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 333..1973  
 US-08-321-978-1  
 Query Match Score 17; DB 3; Length 2696;  
 Best Local Similarity 80.0%; Pred. No. 24;  
 Matches 20; Conservative 0; Mismatches 0;  
 Indels 0; Gaps 0;  
 Qy 1 agttgaaacagaaggactcaaag 25  
 Db 2616 AGTGTAAATCACAGAGACTCAAAG 2592  
 RESULT 4  
 US-08-710-584-1/c  
 Sequence 1, Application US/08710584  
 ; Sequence 1, Application US/08710584  
 ; Patent No. 5876725  
 ; GENERAL INFORMATION:  
 ; APPLICANT: POTTER, ANDREW A.  
 ; APPLICANT: GERLACH, GERALD F.  
 ; APPLICANT: WILLSON, PHILIP J.  
 ; APPLICANT: ROSSI-CAMPOS, AMALIA  
 ; TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS  
 ; TITLE OF INVENTION: PLEUROPNEUMONIAE  
 ; NUMBER OF SEQUENCES: 9  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: ROBERTA L. ROBINS  
 ; STREET: 285 HAMILTON AVE, SUITE 200  
 ; CITY: PALO ALTO  
 ; STATE: CALIFORNIA  
 ; COUNTRY: UNITED STATES OF AMERICA  
 ; ZIP: 94301  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/710,584  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/321; 078  
 FILING DATE: 12-OCT-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROBINS, ROBERTA L.  
 REGISTRATION NUMBER: 33,208  
 REFERENCE/DOCKET NUMBER: 9001-0015.02



LOCATION: 2039..3121  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3167..4867  
 OTHER INFORMATION: /label= ORF3  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF4  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 10  
 OTHER INFORMATION: 12 of the specification."  
 US-08-258-261B-1

Query Match  
 Best Local Similarity 62.4%; Score 15 6; DB 1; Length 7001;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaaacgaggactca 22  
 ||||| ||||| ||||| |||||  
 Db 6160 AGTTGCAAACAGCCAGATAGTC 6139

RESULT 7  
 US-08-456-837-1/C  
 Sequence 1, Application US/08456837  
 Patent No. 5643774  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Uynes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/456,837  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-Jun-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129

REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 423..2036  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 2039..3121  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3167..4867  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF4  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 10  
 OTHER INFORMATION: 12 of the specification."  
 US-08-456-837-1

Query Match  
 Best Local Similarity 62.4%; Score 15 6; DB 2; Length 7001;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaaacgaggactca 22  
 ||||| ||||| ||||| |||||  
 Db 6160 AGTTGCAAACAGCCAGATAGTC 6139

RESULT 8  
 US-08-457-342-1/C  
 Sequence 1, Application US/08457342  
 Patent No. 5663898  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Uynes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/456,837  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-Jun-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129

REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 423..2036  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 2039..3121  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3167..4867  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF4  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 10  
 OTHER INFORMATION: 12 of the specification."  
 US-08-456-837-1

Query Match  
 Best Local Similarity 81.8%; Pred No. 1.1e+02;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaaacgaggactca 22  
 ||||| ||||| ||||| |||||  
 Db 6160 AGTTGCAAACAGCCAGATAGTC 6139

RESULT 8  
 US-08-457-342-1/C  
 Sequence 1, Application US/08457342  
 Patent No. 5663898  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Uynes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/456,837  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-Jun-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129

STATE: NY  
 COUNTRY: USA  
 ZIP: 10532  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/457,342  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-Jun-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 423 .. 2036  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 2039 .. 3121  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3167 .. 4867  
 OTHER INFORMATION: /label= ORF3  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc.feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames  
 OTHER INFORMATION: OTHER INFORMATION:  
 OTHER INFORMATION: OTHER INFORMATION:  
 OTHER INFORMATION: OTHER INFORMATION:  
 US-08-457-342-1

Query Match 62.4% Score 15.6; DB 2; Length 7001;  
 Best Local Similarity 81.8%; Pred. No. 1.1e+02;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 agttgaaccaaggactca 22  
 Db 6160 ATGTTGCAACGCCAGATAGTCAG 6139

RESULT 9

---

US-08-457-646A-1/C  
 Sequence 1, Application US/08457646A  
 Patent No. 5679560  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Lam, Stephen Ting  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Oknes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/457,646A  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-Jun-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 OTHER INFORMATION: /label= ORF3  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 OTHER INFORMATION: /label= ORF4  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"

FEATURE: misc-feature  
 NAME/KEY: misc-feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames"  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 10  
 OTHER INFORMATION: 12 of the specification."  
 OTHER INFORMATION: 53-08-458-646A-1

Query Match 62.4%; Score 15.6; DB 2; Length 7001;  
 Best Local Similarity 81.8%; Pred. NO. 1.1e+02;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
 / 1 agttgaaacagaaggactca 22  
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 6160 AGTGCACAGCCAGATGTC 6139

RESULT 10 -08-458-076A-1/C  
 Sequence 1, Application US/08458076A  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Lam, Stephen Ting  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Oknes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 10552

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/458,076A  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION NUMBER: US 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-JUN-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 361129  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 ANTI-SENSE: NO

FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 423..2036  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 2039..3121  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 3167..4867  
 OTHER INFORMATION: /label= ORF3  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF4  
 OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"  
 FEATURE: misc-feature  
 NAME/KEY: misc-feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames"  
 OTHER INFORMATION: as described in Examples 10  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 12 of the specification."  
 OTHER INFORMATION: 12 of the specification."  
 US-08-458-076A-1

Query Match 62.4%; Score 15.6; DB 2; Length 7001;  
 Best Local Similarity 81.8%; Pred. NO. 1.1e+02;  
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
 / 1 agttgaaacagaaggactca 22  
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 Db 6160 AGTGCACAGCCAGATGTC 6139

RESULT 11  
 US-08-457-335A-1/C  
 Sequence 1, Application US/08457335A  
 Patent No. 5723759  
 GENERAL INFORMATION:  
 APPLICANT: Schupp, Thomas M.  
 APPLICANT: Ligon, James M.  
 APPLICANT: Beck, James Joseph  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Gaffney, Thomas Deane  
 APPLICANT: Lam, Stephen Ting  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: Oknes, Scott Joseph  
 TITLE OF INVENTION: Genes for the synthesis of  
 TITLE OF INVENTION: antipathogenic substances  
 NUMBER OF SEQUENCES: 22  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Ciba-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/458,076A  
 FILING DATE: 01-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION NUMBER: US 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-JUN-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 361129  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 ANTI-SENSE: NO

APPLICATION NUMBER: US 08/457,205  
 FILING DATE: 01-JUN-1995  
 APPLICATION NUMBER: 08/258,261  
 FILING DATE: 08-JUN-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIP3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8614  
 TELEFAX: 919-541-8689  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 FEATURE:  
 TYPE: nucleic acid  
 STRANDEDNESS: single.  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 423..2036  
 OTHER INFORMATION: /label= ORF1  
 OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3117..4867  
 OTHER INFORMATION: /label= ORF2  
 OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF3  
 OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames  
 ;  
 ;  
 ;  
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 ;  
 OTHER INFORMATION: transcribed as a single message, as described in Examples 10  
 ;  
 ;  
 ;  
 ;  
 OTHER INFORMATION: 12 of the specification."  
 US-08-457-335A-1

Query Match 62.4%; Score 15.6; DB 2; Length 7001;  
 Best Local Similarity 81.8%; Pred. No. 1.1e+02; Mismatches 0; Gaps 0;

Qy 1 agttggaaacagcaagactca 22  
 Db 6160 AGTTGCAACAGCCAGATAGTCA 6139

Query Match 62.4%; Score 15.6; DB 3; Length 7001;  
 Best Local Similarity 81.8%; Pred. No. 1.1e+02; Mismatches 4; Gaps 0;

Qy 1 agttggaaacagcaagactca 22  
 Db 6160 AGTTGCAACAGCCAGATAGTCA 6139

RESULT 13  
 US-08-761-258-6/c  
 Sequence 6, Application US/08761258  
 GENERAL INFORMATION:  
 Patent No. 5756087  
 APPLICANT: Ligon, James M.  
 APPLICANT: Hill, Dwight S.  
 APPLICANT: Lam, Stephen T.  
 APPLICANT: Gaffney, Thomas D.  
 APPLICANT: Torkevit, Nancy  
 TITLE OF INVENTION: Genetically Modified Pseudomonas Strains  
 TITLE OF INVENTION: with Enhanced Biocontrol Activity  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:

TITLE OF INVENTION: No. 5766878el Compounds  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SmithKline Beecham Corporation  
 STREET: 709 Swedeland Road  
 CITY: King of Prussia  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19406-0939  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/848, 932  
 FILING DATE: 01-MAY-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 9609125.1  
 FILING DATE: 01-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gimmi, Edward R  
 REGISTRATION NUMBER: 38, 891  
 REFERENCE/DOCKET NUMBER: P31474  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 610-270-4478  
 TELEFAX: 610-270-5090  
 TELE:  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1666 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: mRNA  
 US-08-848-332-1

Query Match 62.4%; Score 15.6; DB 3; Length 1666;  
 Best Local Similarity 81.8%; Pred. No. 91;  
 Matches 0; Mismatches 4; Indels 0; Gaps 0;

Qy 3 ttggaaacaggaaaggactcaa 24  
 Db 1606 TAGAACGAGCAAAAGCTCTAA 1627

RESULT 14  
 US-08-729-214-1/c  
 Sequence 1, Application US/08729214  
 Patent No. 5817502  
 GENERAL INFORMATION:  
 APPLICANT: Ligon, James M.  
 APPLICANT: Hill, Dwight Steven  
 APPLICANT: Ryals, John Andrew  
 APPLICANT: Hammer, Phillip E.  
 APPLICANT: van Pee, Karl-Heinz  
 APPLICANT: Kirner, Sabine  
 TITLE OF INVENTION: Genes for the synthesis of  
 antipathogenic substances  
 NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Ciba-Geigy Corporation  
 STREET: 520 White Plains Road  
 CITY: Tarrytown  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10591  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/729, 214  
 FILING DATE: TBA  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38, 241  
 REFERENCE/DOCKET NUMBER: CGC 1506/CIPS  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-541-8587  
 TELEFAX: 919-541-8699  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7001 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: Linear  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 423..2036  
 OTHER INFORMATION: /label= ORF1  
 /note= "Open Reading Frame #1 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 2039..3121  
 OTHER INFORMATION: /label= ORF2  
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 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 3167..4867  
 OTHER INFORMATION: /label= ORF3  
 /note= "Open Reading Frame #3 of DNA sequence"  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 4895..5983  
 OTHER INFORMATION: /label= ORF4  
 /note= "Open Reading Frame #4 of DNA sequence"  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: 1..7001  
 OTHER INFORMATION: /note= "Four open reading frames"  
 OTHER INFORMATION: transcribed as a single message, as described in Examples  
 US-08-729-214-1

RESULT 15  
 US-09-008-180-1  
 Sequence 1, Application US/09008180  
 Patent No. 5800262  
 GENERAL INFORMATION:  
 APPLICANT: Wallis, Niccola  
 TITLE OF INVENTION: No. 5880262e1 Compounds  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SmithKline Beecham Corporation  
 STREET: 709 Swedeland Road  
 CITY: King of Prussia  
 STATE: PA

COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/008,180  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/848,932  
FILING DATE: 01-MAY-1997  
APPLICATION NUMBER: 9609125.1  
FILING DATE: 01-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Gianni, Edward R.  
REGISTRATION NUMBER: 38,891  
REFERENCE/DOCKET NUMBER: P31474  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-270-4478  
TELEFAX: 610-270-5090  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1666 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: mRNA  
US-09-008-180-1

Query Match 62.4%; Score 15,6; DB 4; Length 1666;  
Best Local Similarity 81.8%; Pred. No. 91;  
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
Qy 3 ttggaaacaggaaagactcaa 24  
Db 1606 TAGAAGGCAAAAGACTCTAA 1627

Search completed: September 10, 1999, 10:17:36  
Job time: 57 sec

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seq\_name: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep:US-08-262-037-41

seq\_documentation\_block:

Sequence 41, Application US/08262037

Patent No. 5747239

GENERAL INFORMATION:

APPLICANT: Chang Yi Wang and Barbara Hosein

TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR

TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV

NUMBER OF SEQUENCES: 136

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVE.

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10154

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/262,037

FILING DATE:

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/719,819

FILING DATE: 24-June-1991

APPLICATION NUMBER: 07/667,275

FILING DATE: 11-Mar-1991

APPLICATION NUMBER: 07/651,735

FILING DATE: 07-Feb-1991

APPLICATION NUMBER: 07/558,799

FILING DATE: 26-July-1990

APPLICATION NUMBER: 07/510,153

FILING DATE: 16-April-1990

ATTORNEY/AGENT INFORMATION:

NAME: Maria C. H. Lin

REGISTRATION NUMBER: 29,323

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 751-6849

TELEFAX: (212) 751-6849

TELELEX: 421792

INFORMATION FOR SEQ ID NO: 42:

SEQUENCE CHARACTERISTICS:

LENGTH: 42 amino acids

TYPE: Amino acid

SPRANDEDNESS:

TOPOLOGY: Unknown

US-08-262-037-42

alignment\_scores:

Quality: 34.00 Length: 6

Ratio: 6.800 Gaps: 0

Percent Similarity: 83.333 Percent Identity: 66.667

align\_block:

US-09-056-153-3 x US-08-262-037-41

Align seg 1/1 to: US-08-262-037-41 from: 1 to: 34

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| | | | : | | | | | |

14 TrpPheGlyCysthrTrp 19

..

Align seg 1/1 to: US-08-262-037-41 from: 1 to: 34

6 TGGATAAGTGCCACATGG 23

| | | | : | | | | | |

14 TrpPheGlyCysthrTrp 19

..

---

; Patent No. 5747239  
; GENERAL INFORMATION:  
; APPLICANT: Chang Yi Wang and Barbara Hosein  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR  
; THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV  
; TITLE OF INVENTION: INFECTATION AND PREVENTION THEREOF AS VACCINES  
; NUMBER OF SEQUENCES: 136  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN & FINNEGAN  
; STREET: 345 PARK AVE.  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: FLOPPY DISK  
; COMPUTER: IBM PC COMPATIBLE  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/262,037  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/719,819  
; FILING DATE: 24-June-1991  
; APPLICATION NUMBER: 07/667,275  
; FILING DATE: 11-Mar-1991  
; APPLICATION NUMBER: 07/651,735  
; FILING DATE: 07-Feb-1991  
; APPLICATION NUMBER: 07/558,799  
; FILING DATE: 26-July-1990  
; APPLICATION NUMBER: 07/510,153  
; FILING DATE: 16-April-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maria C. H. Lin  
; REGISTRATION NUMBER: 29,323  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 751-6849  
; TELEFAX: (212) 751-6849  
; TELELEX: 421792  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 34 amino acids  
; TYPE: Amino acid  
; STRANDEDNESS:  
; TOPOLOGY: Unknown  
; US-08-262-037-41

alignment\_scores:  
; Quality: 34.00 Length: 6  
; Ratio: 6.800 Gaps: 0  
; Percent Similarity: 83.333 Percent Identity: 66.667

align\_block:  
; US-09-056-153-3 x US-08-262-037-42  
; Align seg 1/1 to: US-08-262-037-42 from: 1 to: 42  
; 6 TGGATAAGTGCCACATGG 23  
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; 14 TrpPheGlyCysthrTrp 19  
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; seq\_documentation\_block:  
; Sequence 43, Application US/08262037  
; General Information:  
; APPLICANT: Chang Yi Wang and Barbara Hosein  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR

TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV INFECTION AND PREVENTION THEREOF AS VACCINES  
 NUMBER OF SEQUENCES: 136  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MORGAN & FINNEGAN  
 STREET: 345 PARK AVE.  
 CITY: NEW YORK  
 STATE: NEW YORK  
 COUNTRY: USA  
 ZIP: 10154

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC COMPATIBLE  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/262,037  
 FILING DATE:  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/719,819  
 FILING DATE: 24-June-1991  
 APPLICATION NUMBER: 07/667,275  
 FILING DATE: 11-Mar-1991  
 APPLICATION NUMBER: 07/651,735  
 FILING DATE: 07-Feb-1991  
 APPLICATION NUMBER: 07/556,799  
 FILING DATE: 26-July-1990  
 APPLICATION NUMBER: 07/510,153  
 FILING DATE: 16-April-1990  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Maria C. H. Lin  
 REFERENCE/DOCKET NUMBER: 29,323  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 751-6849  
 TELEX: 421792  
 INFORMATION FOR SEQ ID NO: 43:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 50 amino acids  
 TYPE: Amino acid  
 STRANDEDNESS:  
 TOPOLOGY: Unknown  
 US-08-262-037-43

alignment\_scores:  
 Quality: 34.00 Length: 6  
 Ratio: 6.800 Gaps: 0  
 Percent Identity: 66.667

seq.documentation\_block:  
 Sequence 29, Application US/08440103  
 Patent No. 567052

GENERAL INFORMATION:  
 APPLICANT: Houghton, Michael J.  
 TITLE OF INVENTION: Immunoreactive Polypeptide Compositions  
 NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Chiron Corporation  
 STREET: 4560 Horton Street  
 CITY: Emeryville  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94608

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/440,103

NUMBER OF SEQUENCES: 5

TITLE OF INVENTION: A NOVEL HUMAN NUCLEIC ACID BINDING PROTEIN  
 NUMBER OF SEQUENCES: 5

FILING DATE: 12-MAY-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/221,368  
 FILING DATE:  
 APPLICATION NUMBER: US 07/759,575  
 FILING DATE: 13-SEP-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McClung, Barbara G.  
 REGISTRATION NUMBER: 33,113  
 REFERENCE/DOCKET NUMBER: 0205.001  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (510) 601-2708  
 TELEFAX: (510) 655-3542  
 INFORMATION FOR SEQ ID NO: 29:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 268 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Duplication  
 LOCATION: 3  
 OTHER INFORMATION: /label= heterogeneity  
 OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."  
 FEATURE:  
 NAME/KEY: Duplication  
 LOCATION: 7  
 OTHER INFORMATION: /label= Heterogeneity  
 OTHER INFORMATION: /note= "Amino Acid #5 can also be Val."  
 US-08-140-103-29

alignment\_scores:  
 Quality: 34.00 Length: 6  
 Ratio: 6.800 Gaps: 0  
 Percent Similarity: 83.333 Percent Identity: 66.667

alignment\_block:  
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 seq\_documentation\_block:  
 Sequence 30, Application US/08440103  
 Patent No. 5670152  
 GENERAL INFORMATION:  
 APPLICANT: Weiner, Amy J.  
 APPLICANT: Houghton, Michael  
 TITLE OF INVENTION: Immunoreactive Polypeptide Compositions  
 NUMBER OF SEQUENCES: 45  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Chiron Corporation  
 STREET: 4560 Horton Street  
 CITY: Emeryville  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94608  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/440,103  
 FILING DATE: 12-MAY-1995

CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/231,368  
 FILING DATE:  
 APPLICATION NUMBER: US 07/759,575  
 FILING DATE: 13-SEP-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: McClung, Barbara G.  
 REGISTRATION NUMBER: 33,113  
 REFERENCE/DOCKET NUMBER: 0205.001  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (510) 601-2708  
 TELEFAX: (510) 655-3542  
 INFORMATION FOR SEQ ID NO: 30:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 268 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Duplication  
 LOCATION: 5  
 OTHER INFORMATION: /label= Heterogeneity  
 OTHER INFORMATION: /note= "This amino acid can also be Met."  
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 NAME/KEY: Duplication  
 LOCATION: 79  
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 FEATURE:  
 NAME/KEY: Duplication  
 LOCATION: 80  
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 FEATURE:  
 NAME/KEY: Duplication  
 LOCATION: 93  
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 LOCATION: 139  
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 LOCATION: 247

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; US-08-440-103-30

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seq_documentation_block:
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Patent No. 5670153
GENERAL INFORMATION:
APPLICANT: Weiner, Amy J.
APPLICANT: Houghton, Michael
TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,542
FILING DATE: 12-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/231,368
FILING DATE: 07-SEP-1991
APPLICATION NUMBER: US 07/759,575
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: McCullung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0205.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 651-2208
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE: Duplication
NAME/KEY: Duplication
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 US-08-440-542-30

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 ; Patent No. 575612  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Weiner, Amy J.  
 ; ADDRESS: Houghton, Michael  
 ; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions  
 ; NUMBER OF SEQUENCES: 45  
 ; CORRESPONDENCE ADDRESS:  
 ; STREET: Chiron Corporation  
 ; CITY: 4560 Horton Street  
 ; STATE: Emeryville  
 ; COUNTRY: CA  
 ; ZIP: 94608  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
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 ; APPLICATION NUMBER: US/08/231,368  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/759,575  
 ; FILING DATE: 13-SEP-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: McCleung, Barbara G.  
 ; REGISTRATION NUMBER: 33,113  
 ; REFERENCE/DOCKET NUMBER: 0205-001  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (510) 655-3542  
 ; TELEFAX: (510) 655-3542  
 ; INFORMATION FOR SEQ ID NO: 29:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 288 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; FEATURE:  
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 US-08-231-368-29

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FILING DATE: 13-SEP-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: McClung, Barbara G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: 0205.001  
TELECOMMUNICATION: INFORMATION:  
TELEPHONE: (510) 601-2708  
TELEFAX: (510) 655-3542  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
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Patent No. 5766845  
GENERAL INFORMATION:  
APPLICANT: Welser, Amy J.  
APPLICANT: Houghton, Michael  
TITLE OF INVENTION: Immunoreactive PolyPeptide Compositions  
NUMBER OF SEQUENCES: 45  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/440,210  
FILING DATE: 12-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/231,368  
FILING DATE:  
APPLICATION NUMBER: US 07/759,575  
FILING DATE: 13-SEP-1991

ATTORNEY/AGENT INFORMATION:  
NAME: McClung, Barbara G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: 0205.001  
TELECOMMUNICATION: INFORMATION:  
TELEPHONE: (510) 601-2708  
TELEFAX: (510) 655-3542  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 268 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
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US-08-440-210-30

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 Percent Similarity: 83.333 Percent Identity: 66.667

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Patent No. 567052

GENERAL INFORMATION:

APPLICANT: Weiner, Amy J.

APPLICANT: Houghton, Michael

TITLE OF INVENTION: Immunoreactive Polypeptide Compositions

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Chiron Corporation

STREET: 4560 Horton Street

CITY: Emeryville

STATE: CA

COUNTRY: USA

ZIP: 94608

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/440,103

FILING DATE: 12-MAY-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/231,368

FILING DATE:

APPLICATION NUMBER: US 07/759,575

FILING DATE: 13-SEP-1991

ATTORNEY/AGENT INFORMATION:

NAME: McCullung, Barbara G.

REGISTRATION NUMBER: 33,113

TELECOMMUNICATION INFORMATION:

TELEPHONE: (510) 601-2708

TELEFAX: (510) 655-1542

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 269 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-440-542-16

alignment\_scores;

Quality: 34.00 Length: 6

Ratio: 6.800 Gaps: 0

Percent Similarity: 83.333 Percent Identity: 66.667

alignment\_block:

US-09-056-153-3 x US-08-440-542-16

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180 TrpPheGlyCystThrTrp 185

Align seg 1/1 to: US-08-440-103-16 from: 1 to: 269

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||||:: 1111111111111111

180 TrpPheGlyCystThrTrp 185

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seq\_documentation\_block:

Sequence 16, Application US/08440542

Patent No. 567053

GENERAL INFORMATION:

APPLICANT: Weiner, Amy J.

APPLICANT: Houghton, Michael

TITLE OF INVENTION: Immunoreactive Polypeptide Compositions

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Chiron Corporation

STREET: 4560 Horton Street

CITY: Emeryville

STATE: CA

COUNTRY: USA

ZIP: 94608

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/440,103

FILING DATE: 12-MAY-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/231,368

FILING DATE:

APPLICATION NUMBER: US 07/759,575

FILING DATE: 13-SEP-1991

ATTORNEY/AGENT INFORMATION:

NAME: McCullung, Barbara G.

REGISTRATION NUMBER: 33,113

TELECOMMUNICATION INFORMATION:

TELEPHONE: (510) 601-2708

TELEFAX: (510) 655-1542

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 269 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-440-542-16

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Quality: 34.00 Length: 6

Ratio: 6.800 Gaps: 0

Percent Similarity: 83.333 Percent Identity: 66.667

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Align seg 1/1 to: US-08-440-542-16 from: 1 to: 269

6 TGGATCAAAGTCACATGG 23

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180 TrpPheGlyCystThrTrp 185

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About: Results were produced by the GenCore software, version 4.5
Copyright (c) 1993-1998 Compugen Ltd.

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; FILE REFERENCE: GTC-016P
; CURRENT APPLICATION NUMBER: US/60/096,409A
; SEQ ID NO: 28206
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; ORGANISM: Candida albicans
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US-60-096-409-20212

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; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
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US-09-248-796-18605

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Percent Similarity: 83.333 Percent Identity: 66.667

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; APPLICANT: Homburger et al. ; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
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; CURRENT FILING DATE: 1999-03-17
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; SOFTWARE: PatentIn ver. 2.0
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; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45430

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        TITLE OF INVENTION: 186 Human Secreted proteins
        FILE REFERENCE: P2002P1
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        CURRENT FILING DATE: 1998-09-08
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        EARLIER FILING DATE: 1998-03-06
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 ; GENERAL INFORMATION:  
 ;      APPLICANT: Lal, Preeti  
 ;      APPLICANT: Hallman, Jennifer L.  
 ;      APPLICANT: Corley, Neil C.  
 ;      APPLICANT: Giegler, Karl J.  
 ;      APPLICANT: Baugh, Mariah  
 ;      APPLICANT: Sather, Susan  
 ;      APPLICANT: Shah, Purvi  
 ;      TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS  
 ;      NUMBER OF SEQUENCES: 154  
 ;      CORRESPONDENCE ADDRESS:  
 ;      ADDRESSEE: INCITE PHARMACEUTICALS, INC.  
 ;      STREET: 3174 PORTER DRIVE  
 ;      CITY: PALO ALTO  
 ;      STATE: CALIFORNIA  
 ;      COUNTRY: USA  
 ;      ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/002,485  
 ; FILING DATE: HERewith  
 ; CLASSIFICATION:  
 ; ATTORNEY/AGENT INFORMATION:  
 ;      NAME: BILLINGS, LUCY J.  
 ;      REGISTRATION NUMBER: 36,749  
 ;      REFERENCE/DOCKET NUMBER: PF-0459 US  
 ;      TELECOMMUNICATION INFORMATION:  
 ;      TELEPHONE: (650) 855-0555  
 ;      TELEFAX: (650) 845-4166  
 ;      INFORMATION FOR SEQ ID NO: 72:  
 ;      SEQUENCE CHARACTERISTICS:  
 ;      LENGTH: 640 amino acids  
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; CLOBE: 309431
; US-09-002-85-72

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; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-194
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; SOFTWARE: PatentIn Ver. 2.0
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; Sequence 4, Application US/09080964
; GENERAL INFORMATION:
; APPLICANT: Wallis, Nicola G.
; APPLICANT: Ingraham, Karen A.
; APPLICANT: Yigong -ce, James
; APPLICANT: Holmes, David J.
; APPLICANT: Zalacain, Megdalena
; APPLICANT: Throup, John
; APPLICANT: Biswas, Sanjoy
; APPLICANT: Bryant, Alexander
; APPLICANT: Matra, Andrea
; TITLE OF INVENTION: Histidine Kinase
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechert, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793

COMPUTER READABLE FORM:
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; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASTSEQ for Windows Version 2.0b
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; FILING DATE: 1999-03-17
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048, 345
; FILING DATE: 30-MAY-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Fife, Stephen T
; REGISTRATION NUMBER: 36,795
; REFERENCE/DOCKET NUMBER: GM10007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-934-2488
; TELEFAX: 215-934-2222
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 307 amino acids
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; STRANDEDNESS: single
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; GENERAL INFORMATION:
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; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-194
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; CURRENT FILING DATE: 1999-03-17
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; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; SEQUENCES AND USES THEREOF
; FILE REFERENCE: 00786/361WO2
; CURRENT APPLICATION NUMBER: PCT/US98/25247
; CURRENT FILING DATE: 1998-11-25
; EARLIER APPLICATION NUMBER: 60/066,517
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; SEQUENCES AND USES THEREOF
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; CURRENT FILING DATE: 1998-11-25
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 6: /cgn2\_6/.ptodata/2/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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| c 26 | 15.4  | 61.6  | 3207   | 3  | US-08-162-081B-35 | Sequence 35, Appli |
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| c 34 | 15    | 60.0  | 1796   | 1  | US-07-696-551B-11 | Sequence 3, Appli  |
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| c 37 | 15    | 60.0  | 246240 | 4  | US-08-724-394A-21 | Sequence 8, Appli  |

#### ALIGNMENTS

RESULT 1  
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 Patent No. 5492825  
 GENERAL INFORMATION:  
 APPLICANT: Jan, Lily Y.  
 APPLICANT: Kubo, Yoshihiro  
 APPLICANT: Reuveny, Eitan  
 APPLICANT: Slesinger, Paul A.  
 TITLE OF INVENTION: Cloning of Mammalian Inward Rectifier  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-4187  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/M-S-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-08/103,445  
 FILING DATE: 06-AUG-1993  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Dreicer, Walter H.  
 REGISTRATION NUMBER: 24,190  
 REFERENCE/DOCKET NUMBER: A-58619/WHD  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 781-1989  
 TELEFAX: (415) 398-3249  
 TELEX: 910 277299  
 INFORMATION FOR SEQ ID NO: 1:  
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 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
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US-08-103-445-1

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RESULT 2
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/ GENERAL INFORMATION:
/   APPLICANT: Jan, Lily Y.
/   APPLICANT: Kubo, Yoshihiro
/   APPLICANT: Reuveny, Eitan
/   APPLICANT: Slesinger, Paul A.
/ TITLE OF INVENTION: Cloning of Mammalian Inward Rectifier
/ TITLE OF INVENTION: Potassium Channel cDNAs
/ NUMBER OF SEQUENCES: 26
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ COMPUTER: IBM PC Compatible
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
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/ APPLICATION NUMBER: US/08/461,690B
/ FILING DATE: 05-JUN-1995
/ CLASSIFICATION: 435
/ PRIORITY APPLICATION DATA:
/ APPLICATION NUMBER: US/08/103,445
/ FILING DATE: 06-AUG-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dreger, Walter H.
/ REGISTRATION NUMBER: 24,190
/ REFERENCE/DOCKET NUMBER: A 58619-1/WHD/JPB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2310 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 338..1624
/   FEATURE:
/   NAME/KEY: misc_feature
/   LOCATION: 596..661
/   OTHER INFORMATION: /note= "Region encoding M1
/   OTHER INFORMATION: segment."
/   FEATURE:
/   NAME/KEY: misc_feature
/   LOCATION: 731..781
/   OTHER INFORMATION: /note= "Region encoding H5
/   OTHER INFORMATION: /note= "Region encoding M1
/   OTHER INFORMATION: segment."
/   FEATURE:
/   NAME/KEY: misc_feature
/   LOCATION: 2131..2132
/   OTHER INFORMATION: /note= "The 'N' occurring at this
/   OTHER INFORMATION: position represents an 'F'."/>
/   US-08-461-690B-1

Query Match 3       Score 18.6; DB 2; Length 2310;
Best Local Similarity 80.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy  1 ggatcggtcaaggctgcatgggg 25
    ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db  92 GGTRACAGGGTCATGGGCATGGAG 68

RESULT 3
US-08-083-590A-21
/ Sequence 21, Application US/08083590A
/ Patent No. 5786158
/ GENERAL INFORMATION:
/   APPLICANT: Attavanis-Tsakonas, S. et al.
/   TITLE OF INVENTION: Therapeutic And Diagnostic Methods
/   TITLE OF INVENTION: And Compositions Based On No. 5786158ch Proteins And
/   TITLE OF INVENTION: Nucleic Acids
/   NUMBER OF SEQUENCES: 21
/   CORRESPONDENCE ADDRESS:
/   ADDRESSEE: Penile & Edmonds
/   STREET: 1155 Avenue of the Americas
/   CITY: New York
/   STATE: New York
/   COUNTRY: U. S. A.
/   ZIP: 10036
/ COMPUTER READABLE FORM:
/   MEDIUM TYPE: Floppy disk
/   COMPUTER: IBM PC compatible
/   OPERATING SYSTEM: PC-DOS/MS-DOS
/   SOFTWARE: PatentIn Release #1.0, Version #1.25
/   CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/08/083,590A
/   FILING DATE: 25-JUN-1993
/   CLASIFICATION: 435
/   ATTORNEY/AGENT INFORMATION:
/   NAME: MISTICK, S. Leslie
/   REGISTRATION NUMBER: 18,872
/   REFERENCE/DOCKET NUMBER: 7326-015
/   TELECOMMUNICATION INFORMATION:
/   TELEPHONE: 212 790-3090
/   TELEFAX: 212 8598864/9741
/   TELEX: 66141 PENNIE
/   INFORMATION FOR SEQ ID NO: 21:
/   SEQUENCE CHARACTERISTICS:
/   LENGTH: 9723 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: double
/   TOPOLOGY: unknown
/   MOLECULE TYPE: cDNA
/   FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 10..7419
/   FEATURE:
/   NAME/KEY: CDS
/   LOCATION: 10..7419
/   OTHER INFORMATION: /note= "Region encoding H5
/   OTHER INFORMATION: segment."
/   FEATURE:
/   NAME/KEY: misc_feature
/   LOCATION: 80..19
/   OTHER INFORMATION: 0; Mismatches 5; Indels 0; Gaps 0;
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RESULT 4  
US-08-735-963-1/c

Qy 1 ggtaactggataaagtgcacatggag 25  
Patent No. 580433  
Db 5257 GTFACTGGAAACTGACATCGG 5281

GENERAL INFORMATION:  
 APPLICANT: Gray A., Kevin  
 APPLICANT: Childs D., John  
 APPLICANT: Squires H., Charles

TITLE OF INVENTION: A RHODOCOCCUS FLAVIN REDUCTASE  
 TITLE OF INVENTION: COMPLEMENTING DSZA AND DSZC ACTIVITY

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
 STREET: Two Militia Drive  
 CITY: Lexington  
 STATE: MA  
 COUNTRY: US  
 ZIP: 02173-4799

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/7735.963  
 FILING DATE: 23-OCT-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmore, Carolyn S.  
 REGISTRATION NUMBER: 37,567  
 REFERENCE/DOCKET NUMBER: EBC96-03

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617)861-6240  
 TELEFAX: (617)861-9340

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 935 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 259 .. 834

US-08-735-963-1

RESULT 5  
US-08-462-481-1

Qy 1 ggtaactggataaagtgcacatggag 25  
Patent No. 5840577

GENERAL INFORMATION:  
 APPLICANT: Hassel, Bret A.  
 APPLICANT: Zhou, Aimin

TITLE OF INVENTION: Animal 2-5A- Dependent RNases and  
 TITLE OF INVENTION: Encoding Sequence Therefor

Patent No. 5840577

NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &  
 STREET: 200 East Broward Boulevard  
 CITY: Fort Lauderdale  
 STATE: Florida  
 COUNTRY: USA  
 ZIP: 33301

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/462,481  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/028,086  
 FILING DATE: 08-MAR-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Manso, Peter J.

REGISTRATION NUMBER: 32,264  
 REFERENCE/DOCKET NUMBER: CL11363-13

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 305/527-2498  
 TELEFAX: 305/764/4996  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2928 base pairs  
 REFERENCE/DOCKET NUMBER: CL11363-13

NAME/KEY: CDS  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 104 .. 2326

US-08-462-481-1

RESULT 6  
US-08-416-771-1

Query Match 68.0%; Score 17; DB 3; Length 2928;  
 Best Local Similarity 80.0%; Pred. No. 15;  
 Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtaactggataaagtgcacatggag 25  
Db 134 GGTCCTGGTGTGAGTCATGTTG 110

GENERAL INFORMATION:  
 APPLICANT: Silberman, Robert H.  
 APPLICANT: SenGupta, Debayan N.

TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,  
 Cells and Methods

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Russell  
 STREET: 200 E. Broward Boulevard  
 CITY: Fort Lauderdale  
 STATE: Florida  
 COUNTRY: USA  
 ZIP: 33301

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,771
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; FAX:
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 104..2326
; US-08-436-771-1

; Query Match
; Score 17; DB 4; Length 2928;
; Best Local Similarity 80.0%; Pred. No. 15;
; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

; Query 1 99tactggatacaagtccacatgag 25
; Db 874 GCTTCGGAGCAAGGCACATGAG 898

; RESULT 7
; US-08-436-771-3
; Sequence 3, Application US/08436771
; Patent No. 5861300
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.
; APPLICANT: Sengupta, Diloyendu N.
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; STREET: 200 E. Broward Boulevard
; CITY: Fort Lauderdale
; STATE: Florida
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,771
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEX/FAX: 305/764/4996
; ; LOCATION: 104..2326
; US-08-436-771-1

; Query Match
; Score 17; DB 4; Length 2928;
; Best Local Similarity 80.0%; Pred. No. 15;
; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

; Query 1 ggtactggatacaagtccacatgag 25
; Db 874 GCTTCGGAGCAAGGCACATGAG 898

; RESULT 8
; US-08-436-998-1
; Sequence 1, Application US/08434998
; Patent No. 5866781
; GENERAL INFORMATION:
; APPLICANT: Silverman, Robert H.
; APPLICANT: Sengupta, Diloyendu N.
; TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
; STREET: 200 E. Broward Boulevard
; CITY: Fort Lauderdale
; STATE: Florida
; COUNTRY: USA
; ZIP: 33301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEFAX: 305/764/4996
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,998
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/434,998
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/198,973
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Manso, Peter J.
; REGISTRATION NUMBER: 32,264
; REFERENCE/DOCKET NUMBER: CL11363-16
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 305/527/2498
; TELEX/FAX: 305/764/4996
; ; LOCATION: 104..2326
; US-08-436-998-1

; Query Match
; Score 17; DB 4; Length 2928;
; Best Local Similarity 80.0%; Pred. No. 15;
; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

; Query 1 99tactggatacaagtccacatgag 25
; Db 874 GCTTCGGAGCAAGGCACATGAG 898

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Best Local Similarity 80.0%; Pred. No. 15; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggactggatcaaagtgcacatggag 25  
Db 874 GCCTCTGGAGCAAGGACATAGAG 898

RESULT 9  
US-08-434-998-3  
; Sequence 3, Application US/08434998  
; Patent No. 5866781  
GENERAL INFORMATION:  
; APPLICANT: Silverman, Robert H.  
; TITLE OF INVENTION: Antiviral Transgenic Plants, vectors,  
; TITLE OF INVENTION: Cells and Methods  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Rudden, Barnett, McClosky, Smith, Schuster &  
; ATTORNEY/AGENT: Russell  
; STREET: 200 E. Broward Boulevard  
; CITY: Fort Lauderdale  
; STATE: Florida  
; COUNTRY: USA  
; ZIP: 33301  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/487,797  
; FILING DATE: 07-JUNE-1995  
; CLASSIFICATION: 800  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Manso, Peter J.  
; REGISTRATION NUMBER: 32,264  
; REFERENCE/DOCKET NUMBER: CL11363-16(C)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 305/468-7811  
; TELEFAX: 305/463-2030  
; INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
; LENGTH: 2928 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 104 .. 2326  
; US-08-487-797-1

Query Match 68.0%; Score 17; DB 4; Length 2928;  
Best Local Similarity 80.0%; Pred. No. 15; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggactggatcaaagtgcacatggag 25  
Db 874 GCCTCTGGAGCAAGGACATAGAG 898

RESULT 10  
US-08-487-797-1  
; Sequence 1, Application US/08487797  
; Patent No. 5866787  
GENERAL INFORMATION:  
; APPLICANT: Silverman, Robert H.

APPLICANT: SenGupta, Dibyendu N.  
; TITLE OF INVENTION: Transgenic Plants Co-Expressing A  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Holland & Knight  
; STREET: One E. Broward Boulevard, #1300  
; CITY: Fort Lauderdale  
; STATE: Florida  
; COUNTRY: USA  
; ZIP: 33301  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/487,797

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FILING DATE: 07-JUNE-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
  NAME: Manso, Peter J.
  REGISTRATION NUMBER: 32,264
REFERENCE/DOCKET NUMBER: CL11363-16(C)
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 305/468-7811
  TELEFAX: 305/463-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
  LENGTH: 2928 base pairs
  TYPE: nucleic acid
  STRANDEDNESS: single
  TOPOLOGY: linear
  MOLECULE TYPE: DNA (genomic)
  ORIGIN: Homo sapiens
  FEATURE: CDS
  NAME/KEY: CDS
  LOCATION: 104..2326
  US-08-701-005A-1

Query Match          Score 17; DB 4; Length 2928;
Best Local Similarity 80.0%; Pred. No. 15;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy   1 ggtaactggatccaatggcaatggag 25
Db   874 GCTTCCTGGCAAGGACATAGAG 898

RESULT 13
PCT-US95-02058-1
; Sequence 1, Application PC/TUS9502058
; GENERAL INFORMATION:
;   APPLICANT: Silverman, Robert H.
;   APPLICANT: Sengupta, Debjyendu N.
;   TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,
;   TITLE OF INVENTION: Cells and Methods
;   NUMBER OF SEQUENCES: 11
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Ruden, Barnett, McClosky, Smith, Schuster &
;     ADDRESSEE: Russell
;     STREET: 200 E. Broward Boulevard
;     CITY: Fort Lauderdale
;     STATE: Florida
;     COUNTRY: USA
;     ZIP: 33301
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: FLOPPY disk
;   COMPUTER: IBM PC Compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, version #1.25
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US95/02058
;   FILING DATE:
;   CLASSIFICATION:
;   PRIORITY APPLICATION DATA:
;     APPLICATION NUMBER: US-08-01005A
;     PATENT NO. 5877019
;     GENERAL INFORMATION:
;       APPLICANT: Silverman, Robert H.
;       APPLICANT: Hassel, Bret A.
;       APPLICANT: Zhou, Almin
;     TITLE OF INVENTION: Animal 2'-SA-Dependent RNases and
;     TITLE OF INVENTION: Encoding Sequence Therefor
;     PATENT NO. 5877019
;     NUMBER OF SEQUENCES: 8
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Rothwell, Fig, Ernst & Kurz
;       STREET: 555 - 13th Street, N.W., Suite 701 E
;       CITY: Washington
;       STATE: DC
;       COUNTRY: USA
;       ZIP: 20004
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: FLOPPY disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   FILING DATE: 21-AUG-1996
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/141,304
;     FILING DATE: 22-OCT-1993
;   PRIORITY APPLICATION DATA:
;     APPLICATION NUMBER: US 08/701,005A
;     FILING DATE: 08-MAR-1993
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Jondle, Robert J.
;     REGISTRATION NUMBER: 33,915
;     REFERENCE/DOCKET NUMBER: NJ1255-111
;     TELEPHONE: 202-783-6040
;     TELEFAX: 202-783-6031
;     INFORMATION FOR SEQ ID NO: 1:
;     LOCATION: 104..2326
;     NAME/KEY: CDS
;     PCT-US95-02058-1

Query Match          Score 17; DB 5; Length 2928;
Qy   1 ggtaactggatccaatggcaatggag 25
Db   874 GCTTCCTGGCAAGGACATAGAG 898

```

Best Local Similarity 80.0%; Pred. No. 15;  
 Matches 20; Conservative 0; Mismatches  
 Qy 1 ggtactggataaagtgcacatggag 25  
 Db 874 GCTTCTGGACCAAGGCACATAGAG 898

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genetics Institute Inc. - Legal Affairs  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02140

RESULT 14  
 PCT-US95-02058-3  
 Sequence 3, Application PC/TUS9502058  
 GENERAL INFORMATION:  
 APPLICANT: Silverman, Robert H.  
 APPLICANT: Sen Gupta, Debjyoti N.  
 TITLE OF INVENTION: Antiviral Transgenic Plants, Vectors,  
 TITLE OF INVENTION: Cells and Methods  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEEE: Ruden, Barnett, McClosky, Smith, Schuster &

Russell  
 STREET: 200 E. Broward Boulevard  
 CITY: Fort Lauderdale  
 STATE: Florida  
 COUNTRY: USA  
 ZIP: 33301

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US95/02058  
 FILING DATE:

CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/198,973  
 FILING DATE: 18-FEB-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Manso, Peter J.  
 REGISTRATION NUMBER: 3,2,264  
 REFERENCE/DOCKET NUMBER: CL11363-16  
 TELEPHONE: 305/527/2498  
 TELEFAX: 305/764/4996  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2928 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 104...2326  
 PCT-US95-02058-3

Query Match 68.0%; Score 17; DB 5; Length 2928;  
 Best Local Similarity 80.0%; Pred. No. 15;  
 Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ggtactggataaagtgcacatggag 25  
 Db 874 GCTTCTGGACCAAGGCACATAGAG 898

RESULT 15  
 PCT-US94-10080-11  
 Sequence 11, Application PC/TUS9410080  
 GENERAL INFORMATION:  
 APPLICANT: GENETICS INSTITUTE, INC.  
 TITLE OF INVENTION: RECEPTOR PROTEINS  
 NUMBER OF SEQUENCES: 19

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US94/10080  
 FILING DATE: HERewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/123,934  
 FILING DATE: 17-SEP-1993  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: LAZAR, Steven R.  
 REGISTRATION NUMBER: 32,618  
 REFERENCE/DOCKET NUMBER: 5203-PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 498-8260  
 TELEFAX: (617) 876-5551  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 341 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 IMMEDIATE SOURCE:  
 CLONE: KDA-B5  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 25...318  
 PCT-US94-10080-11

Query Match 64.8%; Score 16.2; DB 5; Length 341;  
 Best Local Similarity 85.7%; Pred. No. 25;  
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 ctggatcaagtgcacatggag 25  
 Db 265 CTGGCTCACCTGCACATGAG 285

Search completed: September 10, 1999, 10:17:38  
 Job time: 59 sec

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 Date: Sep 10, 1999 10:29 AM

About: Results were produced by the GenCore software, version 4.5,  
 Copyright (c) 1993-1998 Compugen Ltd.

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 Query length: 28  
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Database sequences: 106577  
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 Search time (sec): 29.150000

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Sequence 53, Application US/01455543A
GENERAL INFORMATION:
Patent No. 5792846
APPLICANT: Harpolid, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 3-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 0-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 1103 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
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Ratio: 3.875
Gaps: 0
Percent Identity: 77.778
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Patent No. 5831824
GENERAL INFORMATION:
APPLICANT: Harpolid, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/223,305C
FILING DATE: April 4, 1994
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FILING DATE: April 10, 1992
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FILING DATE: 15-AUG-1991
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FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 1103 amino acids
TYPE: amino acid
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FRAGMENT TYPE: internal
US-08-455-543A-53
alignment_scores:
Quality: 31.00
Length: 9
Percent Similarity: 88.889
Ratio: 3.875
Gaps: 0
Percent Identity: 77.778

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; REGISTRATION NUMBER: 33_779
; REFERENCE/DOCKET NUMBER: 52516 (P519739)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619)238-0999
; TELEFAX: (619)238-0062
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1091 amino acids
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GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
COMPUTER READABLE FORM:
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OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
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PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/868, 354
; FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745, 206
; FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603, 751
; FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176, 899
; FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; NAME: Seidman, Stephanie L.

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; Quality: 31.00 Length: 9
; Ratio: 3.875 Gaps: 0
Percent Similarity: 88.889 Percent Identity: 77.778

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; Patent No. 5876958
GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions
; TITLE OF INVENTION: Methods
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
COMPUTER READABLE FORM:
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SOFTWARE: Patient Release #1.0, version #1.25
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; APPLICATION NUMBER: US/08/311, 363
; FILING DATE: 15-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.
; NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33_779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
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FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephen L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 1086 amino acids
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US-08-455-543A-54

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Patent No. 5792846
GENERAL INFORMATION:
APPLICANT: Harbold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Fardman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 16660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
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FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/620,250
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 30-NOV-1990

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Patent No. 5851824
GENERAL INFORMATION:
APPLICANT: Harbold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
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FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/620,250
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
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FILING DATE: 30-AUG-1991
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APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 30-NOV-1990

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APPLICATION NUMBER: US 07/482,384  
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 APPLICATION NUMBER: US 07/603,751  
 FILING DATE: 04-APR-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US89/01408  
 FILING DATE: 04-APR-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/176,899  
 FILING DATE: 04-APR-1988  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619)238-0999  
 TELEFAX: (619)238-0062  
 INFORMATION FOR SEQ ID NO: 54:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1086 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US-08-223-305C-54

alignment\_scores:  
 Quality: 31.00 Length: 9  
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 Percent Similarity: 88.889 Percent Identity: 77.778

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seq\_documentation\_block:  
 Sequence 56, Application US/08455543A  
 GENERAL INFORMATION:  
 APPLICANT: Harpold, Michael  
 APPLICANT: Ellis, Steven  
 APPLICANT: Williams, Mark  
 APPLICANT: Feldman, Daniel  
 APPLICANT: McCue, Ann  
 APPLICANT: Brenner, Robert  
 TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS  
 NUMBER OF SEQUENCES: 57  
 CORRESPONDENCE ADDRESS:  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: California  
 COUNTRY: USA  
 ZIP: 92101-2926  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
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 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
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 FILING DATE: May 31, 1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/223,305  
 FILING DATE: Apr11, 4, 1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/868,354  
 FILING DATE: Apr11, 10, 1992  
 PRIOR APPLICATION DATA:  
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 PRIOR APPLICATION DATA:  
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 FILING DATE: 30-NOV-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/482,384  
 FILING DATE: 20-FEB-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/603,751  
 FILING DATE: 04-APR-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US89/01408  
 FILING DATE: 04-APR-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/176,899  
 FILING DATE: 04-APR-1988  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 TELECOMMUNICATION INFORMATION:  
 REFERENCE/DOCKET NUMBER: 6362-52517  
 TELEPHONE: (619)238-0999  
 TELEFAX: (619)238-0062  
 INFORMATION FOR SEQ ID NO: 56:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1084 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US-08-455-543A-56

alignment\_scores:  
 Quality: 31.00 Length: 9  
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 Percent Similarity: 88.889 Percent Identity: 77.778

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 Patent No. 585184  
 GENERAL INFORMATION:  
 APPLICANT: Harpold, Michael  
 APPLICANT: Ellis, Steven  
 APPLICANT: Williams, Mark  
 APPLICANT: Feldman, Daniel  
 APPLICANT: McCue, Ann  
 APPLICANT: Brenner, Robert  
 TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS  
 NUMBER OF SEQUENCES: 57  
 CORRESPONDENCE ADDRESS:  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: California  
 COUNTRY: USA  
 ZIP: 92101-2926  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/455,543A  
 FILING DATE: May 31, 1995

Brown, Martin, Haller & McClain  
 ADDRESSEE:

STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: California  
 COUNTRY: USA  
 ZIP: 92101-2926  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ Version 1.5  
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 FILING DATE: April 4, 1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/668,354  
 FILING DATE: April 10, 1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/745,206  
 FILING DATE: 15-AUG-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/620,250  
 FILING DATE: 30-NOV-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/482,384  
 FILING DATE: 20-FEB-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/603,751  
 FILING DATE: 04-APR-1989  
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 APPLICATION NUMBER: WO PCT/US89/01408  
 FILING DATE: 04-APR-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/176,899  
 FILING DATE: 04-APR-1988  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 522516 (P519739)  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619)238-0999  
 TELEFAX: (619)238-0062  
 INFORMATION FOR SEQ ID NO: 56:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1084 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US/08-223-305C-56

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 Patent No 5793846  
 GENERAL INFORMATION:  
 APPLICANT: Harpold, Michael

alignment\_scores:  
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 Ratio: 3.875 Gaps: 0  
 Percent Similarity: 88.889 Percent Identity: 77.778

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GENERAL INFORMATION:  
 APPLICANT: Harpoold, Michael 1  
 APPLICANT: Ellis, Steven  
 APPLICANT: Williams, Mark  
 APPLICANT: Feldman, Daniel  
 APPLICANT: McCue, Ann  
 APPLICANT: Brenner, Robert  
 TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND METHODS  
 NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Brown, Martin, Haller & McClain  
 STREET: 1660 Union Street  
 CITY: San Diego  
 STATE: California  
 COUNTRY: USA  
 ZIP: 92101-2926

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ Version 1.5

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-08/223, 305C  
 FILING DATE: April 4, 1994

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 FILING DATE: April 10, 1992

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 FILING DATE: 15-AUG-1991

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 APPLICATION NUMBER: US 07/620, 250  
 FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/482, 384  
 FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/603, 751  
 FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/US89/01408  
 FILING DATE: 04-APR-1989

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/176, 899  
 FILING DATE: 04-APR-1988

ATTORNEY/AGENT INFORMATION:  
 NAME: Seidman, Stephanie L.  
 REGISTRATION NUMBER: 33,779  
 REFERENCE/DOCKET NUMBER: 522516 (P519739)  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619)238-0999  
 TELEFAX: (619)238-0062  
 INFORMATION FOR SEQ ID NO: 55:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1079 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US-08-223-305C-55

alignment\_scores:  
 Quality: 31.00 Length: 9  
 Ratio: 3.875 Gaps: 0  
 Percent Similarity: 88.889 Percent Identity: 77.778

align seg 1/1 to: US-08-223-305C-55 from: 1 to: 1079

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 Patent No. 5237051

GENERAL INFORMATION:  
 APPLICANT: Garbers, David L.  
 APPLICANT: Schulz, Stephanie  
 TITLE OF INVENTION: CLONING THE ENTEROTOXIN RECEPTOR  
 NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: TILTON, Fallon, Lungmus & CHESTNUT  
 STREET: 100 South Wacker Drive - Suite 900  
 CITY: Chicago  
 STATE: Illinois  
 COUNTRY: U.S.A.  
 ZIP: 60606-4002

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US-07/623, 033  
 FILING DATE: 19901206

ATTORNEY/AGENT INFORMATION:  
 NAME: Kohn, Kenneth I.  
 REGISTRATION NUMBER: 30,955  
 REFERENCE/DOCKET NUMBER: VU9018

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (312) 456-8000  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1075 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-623-033-2

alignment\_scores:  
 Quality: 31.00 Length: 9  
 Ratio: 3.875 Gaps: 0  
 Percent Similarity: 88.889 Percent Identity: 77.778

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 About: Results were produced by the GenCore software, version 4.5,  
 Copyright (c) 1993-1998 Compugen Ltd.

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; APPLICANT: AMBRUS JR., JULIAN L.
; APPLICANT: FAUCI, ANTHONY S.
; TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/005.156B
; FILING DATE: 15-JAN-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: PLUMER, ELIZABETH R.
; REGISTRATION NUMBER: 36.337
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 498 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; FEATUR:
; NAME/KEY: Protein
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seq_name: /cgn2_6/ptodata/1/paa/us090_COMB.pep:US-09-270-67-59936
seq_documentation_block:
; Sequence 1, Application US/09270767
; General Information:
; Sequence 59936, Application US/09270767
; APPLICANT: Homberger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270/767
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; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 6517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 59936
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-59936

alignment_scores:
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Ratio: 6.200 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 80.000

alignment_block:
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seq_name: /cgn2_6/pptodata/1/paa/US09_NEW_COMB.pep:US-09-270-767-55902

seq_documentation_block:
Sequence 55902, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 55902
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE: OTHER INFORMATION: xaa means any amino acid
US-09-270-767-55902

alignment_scores:
Quality: 31.00 Length: 5
Ratio: 6.200 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 80.000

alignment_block:
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seq_name: /cgn2_6/pptodata/1/paa/US09_NEW_COMB.pep:US-09-270-767-42642

seq_documentation_block:
Sequence 42642, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 42642
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE: OTHER INFORMATION: xaa means any amino acid
US-09-270-767-42642

; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 6517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 40686
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE: OTHER INFORMATION: xaa means any amino acid
US-09-270-767-40686

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seq_documentation_block:
Sequence 10, Application US/08845546
GENERAL INFORMATION:
APPLICANT: Munro, Donald
APPLICANT: Gupta, Ashwani
APPLICANT: Vyas, Tejal
APPLICANT: McCallum, Kirk
APPLICANT: Fan, Ermei
TITLE OF INVENTION: CLONED GLUCAGON-LIKE PEPTIDE
TITLE OF INVENTION: 2 RECEPTORS
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penne & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10016-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/845,546
FILING DATE: 24-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Frilebel, Thomas E.
REGISTRATION NUMBER: 29-258
REFERENCE/DOCKET NUMBER: 8607-018
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-659-8864
TELEFAX: 212-659-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-845-546-10

alignment_scores:
Quality: 31.00 Length: 5
Ratio: 6.200 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 80.000
alignment_block:
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seq_documentation_block:
Sequence 3, Application US/07768586
GENERAL INFORMATION:
APPLICANT: Mirkov, Theodore E.
APPLICANT: Fitzmaurice, Leona C.
TITLE OF INVENTION: RECOMBINANT EXPRESSION SYSTEM BASED ON
NUMBER OF INVENTION: SATELLITE TOBACCO MOSAIC VIRUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: Spensley Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90067
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patientin Release #1., Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/768,586
FILING DATE: 19910919
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD2164
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
SEQUENCE CHARACTERISTICS:
LENGTH: 159 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: protein
LOCATION: 1..159
US-07-768-586-3

alignment_scores:
Quality: 31.00 Length: 5
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Sequence 2, Application US/09275667
GENERAL INFORMATION:
APPLICANT: Wycoff, Keith L.
APPLICANT: Jaiswal, Sudhir K.
TITLE OF INVENTION: SIMULTANEOUS INTRODUCTION OF MULTIPLE
TITTLE OF INVENTION: HETEROLOGOUS GENES INTO PLANTS AND ASSEMBLY
of INVENTION: HETEROLOGOUS GENES INTO PLANTS AND ASSEMBLY
seq_documentation_block:
Sequence 2, Application US/09275667
GENERAL INFORMATION:
APPLICANT: Wycoff, Keith L.
APPLICANT: Jaiswal, Sudhir K.
TITLE OF INVENTION: SIMULTANEOUS INTRODUCTION OF MULTIPLE
TITTLE OF INVENTION: HETEROLOGOUS GENES INTO PLANTS AND ASSEMBLY
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SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43620
; LENGTH: 391
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-43620

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Ratio: 4.429 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 85.714

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seq_documentation_block:
Sequence 3643, Application US/08827356
GENERAL INFORMATION:
APPLICANT: George H. Shimer, Jr.
APPLICANT: George H. Miller
APPLICANT: Roberta S. Hale
APPLICANT: Karen J. Shaw
TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS RELATED
TITLE OF INVENTION: COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 5574
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schering-Plough Corporation
STREET: 2000 Galloping Hill Road
CITY: Kenilworth
STATE: New Jersey
COUNTRY: USA
ZIP: 07033-0530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08-827,356
FILING DATE: 01-APR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,477
FILING DATE: 01-APR-1996
APPLICATION NUMBER: 60/016,743
FILING DATE: 02-MAY-1996
APPLICATION NUMBER: 60/020,016
FILING DATE: 14-JUN-1996
INFORMATION FOR SEQ ID NO: 3643:
SEQUENCE CHARACTERISTICS:
LENGTH: 443 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Staphylococcus aureus
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NAME/KEY: misc_feature
LOCATION: 1...443
US-08-827-356-3643

alignment_scores:
Quality: 31.00 Length: 7

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; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 10/196,132
; CURRENT APPLICATION NUMBER: US/09/248,796
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 28206
; SEQ ID NO 16049
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Candida albicans
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (43),(44)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-09-248-796-16049

alignment_scores:
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; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-016P
; CURRENT APPLICATION NUMBER: US/60/096,409A
; CURRENT FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28206
; SEQ ID NO 16049
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Candida albicans
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (43),(44)
; OTHER INFORMATION: Identity of amino acid sequences at the above locations are unkno
US-60-096-409-16049

alignment_scores:

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| 1          | 17    | 60.7        | 5690      | 4  | US-08-447-464-2   | Sequence 2, Appli  |  |
| 2          | 17    | 60.7        | 5690      | 4  | US-08-716-679-2   | Sequence 2, Appli  |  |
| 3          | 17    | 60.7        | 1250      | 4  | US-08-379-556A-9  | Sequence 1, Appli  |  |
| C 4        | 16.6  | 59.3        | 2695      | 1  | US-07-961-522-1   | Sequence 1, Appli  |  |
| C 5        | 16.6  | 59.3        | 2695      | 1  | US-08-211-438-1   | Sequence 1, Appli  |  |
| C 6        | 16.6  | 59.3        | 2695      | 3  | US-08-321-978-1   | Sequence 1, Appli  |  |
| C 7        | 16.6  | 59.3        | 2695      | 4  | US-08-710-584-1   | Sequence 1, Appli  |  |
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| 9          | 16.4  | 58.6        | 8252      | 1  | US-08-392-703-15  | Sequence 15, Appli |  |
| 10         | 16.4  | 58.6        | 3401      | 1  | US-08-211-943-4   | Sequence 4, Appli  |  |
| 11         | 16.4  | 58.6        | 8252      | 5  | PCT-US93-11721-15 | Sequence 15, Appli |  |
| C 12       | 16    | 57.1        | 4060      | 3  | US-08-164-2928-1  | Sequence 1, Appli  |  |
| C 13       | 16    | 57.1        | 4060      | 3  | US-08-164-2928-3  | Sequence 3, Appli  |  |
| C 14       | 16    | 57.1        | 4060      | 3  | US-08-164-2928-5  | Sequence 5, Appli  |  |
| C 15       | 16    | 57.1        | 4060      | 3  | US-08-164-2928-7  | Sequence 7, Appli  |  |
| C 16       | 16    | 57.1        | 60        | 4  | US-08-097-554A-47 | Sequence 47, Appli |  |
| C 17       | 15.8  | 56.4        | 5595      | 1  | US-07-841-655-1   | Sequence 1, Appli  |  |
| 18         | 15.8  | 56.4        | 5595      | 1  | US-07-633-965C-1  | Sequence 1, Appli  |  |
| 19         | 15.8  | 56.4        | 3372      | 1  | US-07-306-349A-1  | Sequence 1, Appli  |  |
| 20         | 15.8  | 56.4        | 7745      | 1  | US-08-299-675-1   | Sequence 1, Appli  |  |
| C 21       | 15.8  | 56.4        | 1369      | 1  | US-08-188-228-51  | Sequence 51, Appli |  |
| 22         | 15.8  | 56.4        | 3372      | 1  | US-08-167-035-1   | Sequence 1, Appli  |  |
| C 23       | 15.8  | 56.4        | 3372      | 1  | US-08-167-035-48  | Sequence 48, Appli |  |
| 24         | 15.8  | 56.4        | 1369      | 2  | US-08-332-643-45  | Sequence 45, Appli |  |
| 25         | 15.8  | 56.4        | 1369      | 2  | US-08-332-638-51  | Sequence 51, Appli |  |
| 26         | 15.8  | 56.4        | 7745      | 2  | US-08-498-241-1   | Sequence 1, Appli  |  |
| 27         | 15.8  | 56.4        | 1919      | 2  | US-08-488-241-1   | Sequence 2, Appli  |  |
| 28         | 15.8  | 56.4        | 1551      | 2  | US-08-485-241-4   | Sequence 4, Appli  |  |
| C 29       | 15.8  | 56.4        | 2762      | 2  | US-08-198-446B-12 | Sequence 12, Appli |  |
| 30         | 15.8  | 56.4        | 3372      | 2  | US-08-208-887A-1  | Sequence 1, Appli  |  |
| C 31       | 15.8  | 56.4        | 8654      | 3  | US-08-920-812-6   | Sequence 6, Appli  |  |
| C 32       | 15.8  | 56.4        | 8654      | 3  | US-08-920-827-6   | Sequence 6, Appli  |  |
| C 33       | 15.8  | 56.4        | 8654      | 3  | US-08-174-177-6   | Sequence 6, Appli  |  |
| 34         | 15.8  | 56.4        | 8654      | 3  | US-08-367-577C-6  | Sequence 6, Appli  |  |
| C 35       | 15.8  | 56.4        | 9837      | 3  | US-08-832-883-58  | Sequence 68, Appli |  |
| 36         | 15.8  | 56.4        | 9837      | 4  | US-08-832-877-68  | Sequence 68, Appli |  |
| 37         | 15.8  | 56.4        | 5051      | 4  | US-08-239-276-2   | Sequence 2, Appli  |  |

| ALIGMENTS      |   |                           |   |  |                   |  |  |
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| Title:         | US-09-056-153-4   | RESULT 1                  | 1   | US-08-920-828-6                                | Sequence 6, Appli |  |  |
| Perfect score: | 28  | Sequence 2,               | Application US/08447464                                       | Sequence 1, Appli                              |                   |  |  |
| Sequence:      | tttggaaacagcaaggagactcaaaggtaaac 28   | Patent No.                | 5840842   | Sequence 1, Appli                              |                   |  |  |
| Scoring table: | IDENTITY_NUC  | GENERAL INFORMATION:      |   | Sequence 48, Appli                             |                   |  |  |
| Searched:      | 176461 seqs, 45538279 residues  | APPLICANT:                | Yan, Hai  | Sequence 12, Appli                             |                   |  |  |
| Database :     | Issued_Patents_NA:*   | TITLE OF INVENTION:       | NOVEL RECEPTOR-TYPE PROTEIN PHOSPHOTYROSINE PHOSPHATASE-SIGMA | Sequence 1, Appli                              |                   |  |  |
|                | 1: /rgn2_6/ptodata/2/inha/5A_COMB.seq:*   | NUMBER OF SEQUENCES:      | 12  | Sequence 1, Appli                              |                   |  |  |
|                | 2: /rgn2_6/ptodata/2/inha/5B_COMB.seq:*   | CORRESPONDENCE ADDRESS:   |   | Addresssee: Pennie & Edmonds                   |                   |  |  |
|                | 3: /rgn2_6/ptodata/2/inha/5C_COMB.seq:*   | STREET:                   | 1155 Avenue of the Americas                                   | City: New York                                 |                   |  |  |
|                | 4: /rgn2_6/ptodata/2/inha/5D_COMB.seq:*   | CITY:                     | New York  | State: New York                                |                   |  |  |
|                | 5: /rgn2_6/ptodata/2/inha/PCTUS9_COMB.seq:*   | COUNTRY:                  | U.S.A.  | Country: U.S.A.                                |                   |  |  |
|                | 6: /rgn2_6/ptodata/2/inha/Backfile1.seq:*   | ZIP:                      | 10036-2711  | Zip: 10036-2711                                |                   |  |  |
| Run on:        | September 10, 1999, 10:17:38 ; Search time 44.79 Seconds<br>(without alignments)<br>57.311 Million cell updates/sec | COMPUTER READABLE FORM:   |   | Medium type: Floppy disk                       |                   |  |  |
|                |   | OPERATING SYSTEM:         | PC-DOS/MS-DOS   | Computer: IBM PC compatible                    |                   |  |  |
|                |   | SOFTWARE:                 | PatentIn Release #1.0, Version #1.25                          | Software: PatentIn Release #1.0, Version #1.25 |                   |  |  |
|                |   | CURRENT APPLICATION DATA: |   | Application Number: US/08/447,464              |                   |  |  |
|                |   |                           |   | Filing Date: 24-MAY-1995                       |                   |  |  |
|                |   |                           |   | Classification: 435                            |                   |  |  |
|                |   |                           |   | Prior Application Data:                        |                   |  |  |
|                |   |                           |   | Application Number: 08/130,570                 |                   |  |  |
|                |   |                           |   | Filing Date: 01-OCT-1993                       |                   |  |  |
|                |   |                           |   | Attorney/Agent Information:                    |                   |  |  |
|                |   |                           |   | Name: Mistock, S. Leslie                       |                   |  |  |
|                |   |                           |   | Registration Number: 18,872                    |                   |  |  |
|                |   |                           |   | Reference/Doctet Number: 7683-043              |                   |  |  |
|                |   |                           |   | Telecommunication Information:                 |                   |  |  |
|                |   |                           |   | Telephone: 212-790-9090                        |                   |  |  |
|                |   |                           |   | Telex: 212-869-8864/9741                       |                   |  |  |
|                |   |                           |   | Telex: 66141 PENNIE                            |                   |  |  |
|                |   |                           |   | Information for Seq ID No: 2:                  |                   |  |  |
|                |   |                           |   | SEQUENCE CHARACTERISTICS:                      |                   |  |  |
|                |   |                           |   | Length: 5690 base Pairs                        |                   |  |  |
|                |   |                           |   | Type: nucleic acid                             |                   |  |  |
|                |   |                           |   | Strandedness: unknown                          |                   |  |  |
|                |   |                           |   | Topology: unknown                              |                   |  |  |
|                |   |                           |   | Molecule type: DNA (genomic)                   |                   |  |  |
|                |   |                           |   | Feature:                                       |                   |  |  |
|                |   |                           |   | Name/Key: CDS                                  |                   |  |  |
|                |   |                           |   | Location: 833...53338                          |                   |  |  |
|                |   |                           |   | US-08-447-464-2                                |                   |  |  |
|                |   |                           |   | Qy 4 aaacagaaggactaaagactaaac 28               |                   |  |  |
|                |   |                           |   | Db 3631 ACACATGGAGGACTAAAGCCAC 3655            |                   |  |  |
|                |   |                           |   | Result 2                                       |                   |  |  |

US-08-716-679-2  
 ; Sequence 2, Application US/08716679  
 ; Patent No. 5846800  
 GENERAL INFORMATION:  
 APPLICANT: Schlessinger, Joseph  
 APPLICANT: Yan, Hai  
 TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PROTEIN PHOSPHOTYROSINE PHOSPHATASE-SIGNAL  
 NUMBER OF SEQUENCES: 12  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Penfile & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/379,556A  
 FILING DATE: 22-MAR-1995  
 CLASSIFICATION: 800  
 ATTORNEY/AGENT INFORMATION:  
 NAME: DIGILIO, FRANK S.  
 REGISTRATION NUMBER: 31,346  
 REFERENCE/DOCKET NUMBER: 9592  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (516)742-4343  
 TELEFAX: (516)742-4366  
 TELEX: 230 901 SANS UR  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1250 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 11..1015  
 US-08-379-556A-9

---

Query Match 60.7%; Score 17; DB 4; Length 1250;  
 Best Local Similarity 80.0%; Pred. No. 30; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
 Qy 3 gaaacagcaagactcaaaggtaa 27  
 Db 32 GAATAGCAACACTCTAAACCTAA 56

RESULT 4  
 US-07-961-522-1/c  
 Sequence 1, Application US/07961522  
 ; Patent No. 5417971  
 GENERAL INFORMATION:  
 APPLICANT: POTTER, ANDREW A.  
 APPLICANT: GERLACH, GERALD F.  
 APPLICANT: WILLSON, PHILIP J.  
 APPLICANT: ROSSI-CAMPOS, AMALIA  
 TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ROBERTA L. ROBINS  
 STREET: 635 BRYANT STREET  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: UNITED STATES OF AMERICA  
 ZIP: 94301  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/961,522  
 FILING DATE: 1992/10/15  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROBINS, ROBERTA L.  
 REGISTRATION NUMBER: 33,208

---

RESULT 3  
 US-08-379-556A-9  
 ; Sequence 9, Application US/08379556A  
 ; Patent No. 5859329  
 GENERAL INFORMATION:  
 APPLICANT: HOLTON, TIMOTHY A.  
 APPLICANT: KERK, LISA A.  
 TITLE OF INVENTION: GENETIC SEQUENCES ENCODING FLAVONOL SYNTHASE ENZYMES AND USES THEREFOR  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SCULLY, SCOTT MURPHY & PRESSER  
 STREET: 400 GARDEN CITY PLAZA  
 CITY: GARDEN CITY  
 STATE: NEW YORK

```

; REFERENCE/DOCKET NUMBER: 9000-0015.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-1231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; NAME/KEY: CDS
; LOCATION: 333..1973
US-07-961-522-1

RESULT 5
Query Match 59.3%; Score 16.6; DB 1; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 aaacagcaagactcaaaggta 26
Db 2611 AAATCACAGAGACTCAAAGCCA 2589

; REFERENCE/DOCKET NUMBER: 9001-0015.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-517-8999
; TELEFAX: 415-327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; NAME/KEY: CDS
; LOCATION: 333..1973
US-08-217-438-1/C

RESULT 6
Query Match 59.3%; Score 16.6; DB 3; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 aaacagcaagactcaaaggta 26
Db 2611 AAATCACAGAGACTCAAAGCCA 2589

; REFERENCE/DOCKET NUMBER: 9001-0015.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-327-3400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 333..1973
US-08-321-978-1/C

RESULT 7
Query Match 59.3%; Score 16.6; DB 3; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 aaacagcaagactcaaaggta 26
Db 2611 AAATCACAGAGACTCAAAGCCA 2589

; REFERENCE/DOCKET NUMBER: 9001-0015.04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-517-8999
; TELEFAX: 415-327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; NAME/KEY: CDS
; LOCATION: 333..1973
US-08-710-584-1/C

RESULT 8
Query Match 59.3%; Score 16.6; DB 3; Length 2696;
Best Local Similarity 82.6%; Pred. No. 51;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 aaacagcaagactcaaaggta 26
Db 2611 AAATCACAGAGACTCAAAGCCA 2589

; REFERENCE/DOCKET NUMBER: 9001-0015.05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-517-8999
; TELEFAX: 415-327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; NAME/KEY: CDS
; LOCATION: 333..1973
US-08-710-584-1/C

; REFERENCE/DOCKET NUMBER: 9001-0015.06
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-517-8999
; TELEFAX: 415-327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2696 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; NAME/KEY: CDS
; LOCATION: 333..1973
US-08-710-584-1/C

```

APPLICANT: GERLACH, GERALD F.  
 APPLICANT: WILLSON, PHILLIP J.  
 APPLICANT: ROSSI-CAMPOS, AMALIA  
 TITLE OF INVENTION: VACCINES FOR ACTINOBACILLUS  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ROBERTA L. ROBINS  
 STREET: 285 HAMILTON AVE, SUITE 200  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: UNITED STATES OF AMERICA  
 ZIP: 94301  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/046,585  
 FILING DATE: 12-APR-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Osman, Richard A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: A-57503-1/RAO  
 TELECOMMUNICATION INFORMATION:  
 CLASSIFICATION: 435  
 TELEPHONE: (415) 781-1989  
 TELEFAX: (415) 398-3249  
 TELEX: 910 277299  
 INFORMATION FOR SEQ ID NO: 15:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 8252 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 US-08-046-585-15

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/321,978  
 ATTORNEY/AGENT INFORMATION:  
 NAME: ROBINS, ROBERTA L.  
 REGISTRATION NUMBER: 33,208  
 REFERENCE/DOCKET NUMBER: 9001-0015.02  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 327-3400  
 FILING DATE: 12-OCT-1994  
 SEQUENCE FOR SEQ ID NO: 1:  
 LENGTH: 2696 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 333..1973  
 US-08-710-384-1

Query Match 8  
 Best Local Similarity 59.38%; Score 16.6; DB 4; Length 2696;  
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
 Qy 4 aaaccaaggactcaaaggta 26  
 Db 2611 AAATCAAGAGACTAAAGCCA 2589

RESULT 8  
 US-08-046-585-15  
 Sequence 15 Application US/08046585  
 Patent No. 5453362  
 GENERAL INFORMATION:  
 APPLICANT: Lamarco, Kelly  
 APPLICANT: Wilson, Angus  
 APPLICANT: Herr, Winship  
 APPLICANT: Wilson, Angus  
 APPLICANT: Herr, Winship  
 TITLE OF INVENTION: A NOVEL EKARYOTIC TRANSCRIPTION PROTEIN:  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94111-4187  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/393,703  
 FILING DATE: 24-FEB-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Osman, Richard A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: A-57503-2/RAO  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 781-1989  
 TELEFAX: (415) 398-3249  
 TELEX: 910 277299  
 INFORMATION FOR SEQ ID NO: 15:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 8252 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-393-703-15

Query Match      58  6%; Score 16.4; DB 1; Length 8252;
Best Local Similarity 76.9%; Pred. No. 74;
Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy  2 tggaaacagcaagactcaaagctta 27
Db  696 TGGGAGTGGAAAGAGACTCAAGCAAA 721

RESULT 10
US-08-218-943-4
; Sequence 4, Application US/08218943
; Patent No. 5614193
; GENERAL INFORMATION:
; APPLICANT: Schmidjohn, Connie S.
; APPLICANT: McClain, David J.
; APPLICANT: Dalrymple, Joel
; APPLICANT: Dalrymple, Lonnie
; TITLE OF INVENTION: HANTAVIRUS VACCINE
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/218,943
FILING DATE: 28-MAR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/799,479
FILING DATE: 14-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 71007/118/USGO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELXX: 904136
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 3401 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-218-943-4

Query Match      58  6%; Score 16.4; DB 1; Length 3401;
Best Local Similarity 76.9%; Pred. No. 64;
Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy  1 tggaaacagcaagactcaaagctta 26
Db  1603 TGAAAAAACAAAAGCTCAATGGTA 1628

RESULT 11
PCT-US93-11721-15

```

```

; Sequence 15, Application PC/TUS9311721
; GENERAL INFORMATION:
; APPLICANT: Lamarco, Kelly
; APPLICANT: Wilson, Angus
; APPLICANT: Herr, Winship
; TITLE OF INVENTION: A NOVEL EKARYOTIC TRANSCRIPTION PROTEIN
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACK, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-4187

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11721
FILING DATE: 03-DEC-1993
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: FP-57503-1/RAO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEXX: 910 277299
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 8252 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US93-11721-15

RESULT 12
US-08-164-292B-1/C
; Sequence 1, Application US/08164292B
; Patent No. 5820868
; GENERAL INFORMATION:
; APPLICANT: MITTAL, SURESH K.
; APPLICANT: GRAHAM, FRANK L.
; APPLICANT: PREVEC, LUDVÍK
; APPLICANT: BABIUK, LORENE A.
; TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 345 California Street
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible

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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28 216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 677-7000
TELEX: 34-0154
TELEFAX: (415) 677-7522
LENGTH: 4060 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE: CDS
LOCATION: 1476..1946
US-08-164-292B-3

RESULT 13
US-08-164-292B-3/c
Sequence 3, Application US/08164292B
Patent No. 5820868
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVEC, LUDVIK
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 345 California Street
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 677-7000
TELEFAX: (415) 677-7522
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4060 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE: CDS
LOCATION: 1476..1946
US-08-164-292B-3

Query Match      Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy   2 tgaaacagcaaggactcaaaggct 25
|  |||||||| | | | | | | | | | |
Db  2403 TGAACAGCACCTGAGTTGAACT 2380

RESULT 14
US-08-164-292B-5/c
Sequence 5, Application US/08164292B
Patent No. 5820868
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVEC, LUDVIK
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN EXPRESSION VECTOR SYSTEM
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 345 California Street
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 677-7000
TELEFAX: (415) 677-7522
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4060 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE: CDS
LOCATION: 1850..3109
US-08-164-292B-5

Query Match      Score 16; DB 3; Length 4060;
Best Local Similarity 79.2%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
INFORMATION FOR SEQ ID NO: 3:

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Qy      2 tggaaacgcaagaggactcaaagt 25  
      | | | | | | | | | | | | | | | | | |  
  Db 2403 TGAACAGCACCCTGAGTGAAGCT 2380

---

RESULT 15  
 US-08-164-292B-7/C  
 Sequence 7, Application US/08164292B  
 Patent No. 5820868

GENERAL INFORMATION:

APPLICANT: MITTAL, SURESH K.  
 APPLICANT: GRAHAM, FRANK L.  
 APPLICANT: PREVEC, LUDVÍK  
 APPLICANT: BABIN, LORNE A.

TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE  
 TITLE OF INVENTION: ADENOVIRUS EXPRESSION VECTOR SYSTEM

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER  
 STREET: 345 California Street  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94104-2675

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/164,292B  
 FILING DATE: 09-DEC-1993  
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: GRACEY, NANCY J.  
 REGISTRATION NUMBER: 28,216  
 REFERENCE/DOCKET NUMBER: 29310-20021.00

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 677-7000  
 TELEFAX: (415) 677-7522  
 TELEX: 34-0154

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 4060 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS  
 LOCATION: 3200..3574

US-08-164-292B-7

Query Match      Score 16; DB 3; Length 4060;  
 Best Local Similarity 79.2%; Pred. No. 99;  
 Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy      2 tggaaacgcaagaggactcaaagt 25  
      | | | | | | | | | | | | | | | | | |  
  Db 2403 TGAACAGCACCCTGAGTGAAGCT 2380

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 Date: Sep 10, 1999 10:29 AM  
 About: Results were produced by the GenCore software, version 4.5,  
 Copyright (c) 1993-1998 Compugen Ltd.

## Command line parameters:

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-QGAPOP=4.500 -QGAPEXT=0.050 -XGAPOP=10.000 -XGAPEXT=0.500
-FGAPOP=6.000 -FGAPEXT=0.000 -YGAPOP=10.000 -YGAPEXT=0.500
-DELOP=6.000 -DELET=7.000 -STARTP1=1MTRIXbIgSut62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=escore
-ALIGN=15 -MODE=LOCAL -OUTFMT=pfs -NORM=stat -USER=US09056153
-NCPU=6 -ICPU=3 -WAIT -THREADS=1
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## Search information block:

Query: US-09-056-153-2

Query length: 25

Database: Issued\_Patents\_AA: \*

Database sequences: 106577

Database length: 9868381

Search time (sec): 29.150000

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; Patent No. 560008
; GENERAL INFORMATION:
;   APPLICANT: Wilde, Craig G.
;   APPLICANT: Hawkins, Phillip R.
;   APPLICANT: Bandman, Oiga
;   APPLICANT: Sellhamer, Jeffrey J.
;   TITLE OF INVENTION: EXPRESSED CHIMOKINES, THEIR
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;   NUMBER OF SEQUENCES: 12
;   CORRESPONDENCE ADDRESS:
;     STREET: 3174 Porter Drive
;     CITY: Palo Alto
;     STATE: CA
;     COUNTRY: U.S.
;     ZIP: 94304
; COMPUTER READABLE FORM:
;   COMPUTER TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FASTSD Version 1.5
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/347-492B
;   FILING DATE: 29-NOV-1994
;   PRIORITY APPLICATION DATA:
;     APPLICATION NUMBER: 08/303,241
;     FILING DATE: 07-SEP-1994
;     APPLICATION NUMBER: 08/320,011
;     FILING DATE: 05-OCT-1994
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Luther, Barbara J.
;     REGISTRATION NUMBER: 33,954
;     REFERENCE/DOCKET NUMBER: PF-0024
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 415-555-0555
;     TELEFAX: 415-852-0195
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/005,156
; FILING DATE: 15-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: BO819/70000WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
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; Patent No. 5556757
; GENERAL INFORMATION:
; APPLICANT: VAN ALSTYNE, Diane
; SHARMA, Lawrence Rajendra
; TITLE OF INVENTION: PEPTIDES REPRESENTING EPITOPIC SITES FOR
; BACTERIAL AND VIRAL MENINGITIS CAUSING AGENTS AND THEIR
; CNS CARRIER, ANTIBODIES THERETO, AND USES THEREOF
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
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; CITY: Washington
; STATE: D.C.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,847
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/127,499
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; TELEPHONE: 904136
; REGISTRATION NUMBER: 29,768
; TELECOMMUNICATION INFORMATION:
; APPLICATION NUMBER: 51916/104/INBI
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,499A
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 51916/102/INBI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEX: 904136
; alignment_scores:
; Quality: 32.00

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; LENGTH: 99 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; US-08-127-499A-35

alignment_scores:
; Sequence 35, Application US/08482847
; Patent No. 5556757
; GENERAL INFORMATION:
; APPLICANT: VAN ALSTYNE, Diane
; SHARMA, Lawrence Rajendra
; TITLE OF INVENTION: PEPTIDES REPRESENTING EPITOPIC SITES FOR
; BACTERIAL AND VIRAL MENINGITIS CAUSING AGENTS AND THEIR
; CNS CARRIER, ANTIBODIES THERETO, AND USES THEREOF
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,847
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/127,499
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; TELEPHONE: 904136
; REGISTRATION NUMBER: 29,768
; TELECOMMUNICATION INFORMATION:
; APPLICATION NUMBER: 51916/104/INBI
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,499A
; FILING DATE: 28-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 51916/102/INBI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
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 ; Patent No. 5688927  
 ; GENERAL INFORMATION:  
 ;   APPLICANT: Godiska, Ronald  
 ;   APPLICANT: Gray, Patrick W.  
 ;   TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE  
 ;   NUMBER OF SEQUENCES: 24  
 ;   CORRESPONDENCE ADDRESS:  
 ;   ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 ;   STREET: 6300 Sears Tower, 233 South Wacker Drive  
 ;   CITY: Chicago  
 ;   STATE: Illinois  
 ;   COUNTRY: United States of America  
 ;   ZIP: 60606-6402  
 ; COMPUTER READABLE FORM:  
 ;   MEDIUM TYPE: Floppy disk  
 ;   COMPUTER: IBM PC compatible  
 ;   OPERATING SYSTEM: PC DOS/MS-DOS  
 ;   SOFTWARE: Patentin Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ;   APPLICATION NUMBER: US/08/480.449  
 ;   FILING DATE: 1999-08-03  
 ;   CLASSIFICATION: 530  
 ; ATTORNEY/AGENT INFORMATION:  
 ;   NAME: Gass, David A.  
 ;   REGISTRATION NUMBER: 38,153  
 ;   REFERENCE/DOCKET NUMBER: 27866/32779  
 ;   TELECOMMUNICATION INFORMATION:  
 ;   TELEPHONE: 312/474-6300  
 ;   TELEFAX: 312/474-0448  
 ;   TELEX: 25-3856  
 ;   INFORMATION FOR SEQ ID NO: 19:  
 ;   SEQUENCE CHARACTERISTICS:  
 ;   LENGTH: 99 amino acids  
 ;   TYPE: amino acid  
 ;   STRANDEDNESS: single  
 ;   TOPOLOGY: linear  
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 ;   NAME/KEY: misc\_feature  
 ;   OTHER INFORMATION: "Hu MCP-1"  
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 ; Patent No. 5866313  
 ; GENERAL INFORMATION:

APPLICANT: LI, HAODONG  
 APPLICANT: RUBEN, STEVEN M  
 APPLICANT: SUTTON, GRANGER G III  
 TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN MONOCYTE  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: STEENE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 CITY: NEW YORK AVENUE, SUITE 600  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10005-3934  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/421,144A  
 FILING DATE: 13-APR-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Luther, Barbara J.  
 REGISTRATION NUMBER: 33354  
 REFERENCE/DOCKET NUMBER: PF-0031 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-852-0195  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 99 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-421-144A-5

alignment\_scores:  
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 Ratio: 5.333 Gaps: 0  
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 ; Patent No. 588063  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LI, HAODONG  
 ; APPLICANT: RUBEN, STEVEN M  
 ; APPLICANT: SUTTON, GRANGER G III  
 ; TITLE OF INVENTION: MONOCYTE CHEMOTACTIC PROTEIN-4  
 ; NUMBER OF SEQUENCES: 6  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: STEENE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 ; STREET: 1100 NEW YORK AVENUE, SUITE 600  
 ; CITY: WASHINGTON  
 ; STATE: DC  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/726,830A  
 FILING DATE: 08-OCT-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/479,126  
 FILING DATE: 07-JUN-1995

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alignment\_scores:  
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 Ratio: 5.333 Gaps: 0  
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 ; Patent No. 588063  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BANDMAN, OLGA  
 ; APPLICANT: COLEMAN, ROGER  
 ; APPLICANT: STUART, SUSAN G.  
 ; TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS  
 ; NUMBER OF SEQUENCES: 9  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto

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 ; Patent No. 5874211  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BANDMAN, OLGA  
 ; APPLICANT: COLEMAN, ROGER  
 ; APPLICANT: STUART, SUSAN G.  
 ; TITLE OF INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS  
 ; NUMBER OF SEQUENCES: 9  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/424,425
; FILING DATE: 21-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05384
; FILING DATE: 16-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0340002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 5 :
; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-726-830A-5

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; APPLICANT:
; TITLE OF INVENTION: Monocyte Chemotactic Protein-4
; NUMBER OF SEQUENCES: 6
; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
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; FILING DATE: 07-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/479,126
; FILING DATE: 07-JUN-1995
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 99 amino acids
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; Sequence 12, Application US/08482111
; GENERAL INFORMATION:
; APPLICANT: Daly, Thomas J.
; APPLICANT: LaRosa, Gregory J.
; TITLE OF INVENTION: Chemokine-Like Proteins and Methods of

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; Sequence 12, Application US/08330163
; Patent No. 5656724
; GENERAL INFORMATION:
; APPLICANT: Daly, Thomas J.
; APPLICANT: LaRosa, Gregory J.
; TITLE OF INVENTION: Chemokine-Like Proteins and Methods of
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30B
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/330-163
; FILING DATE: 05-AUG-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 00231/080001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8806
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 78 amino acids
; TYPE: amino acid
; SPANNEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-330-163-12

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; Percent Similarity: 100.000 Percent Identity: 66.667

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; Patent No. 5789539
; GENERAL INFORMATION:
; APPLICANT: Daly, Thomas J.
; APPLICANT: LaRosa, Gregory J.
; TITLE OF INVENTION: Chemokine-Like Proteins and Methods of

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; TITLE OF INVENTION: use
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEES: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,111
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 00231/083001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 78 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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GENERAL INFORMATION:
APPLICANT: Lyle, Leon
APPLICANT: Thomas Miller, Beth
TITLE OF INVENTION: THERAPEUTIC TREATMENT FOR INHIBITING
TITLE OF INVENTION: VASCULAR RESTENOSIS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEES: Mallinckrodt Medical, Inc.
STREET: 675 McDonnell Boulevard, P.O. Box 5840
CITY: St. Louis
STATE: Missouri
COUNTRY: USA
ZIP: 63134

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00605

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About: Results were produced by the GenCore software, version 4.5.  
 Copyright (c) 1993-1998 Compugen Ltd.

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| /cgn2_6/potodata/2/paa/US092_COMB.pep:US-09-248-796-19438    | -   | 34.00 | 112.56 | 50.89  | 403 |               |
| /cgn2_6/potodata/2/paa/US60_NEW_COMB.pep:US-60-096-409-19438 | -   | 34.00 | 112.56 | 50.89  | 403 |               |
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seq\_documentation\_block:  
 ; Sequence 3, Application US/07768586  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Miriov, Theodore E.  
 ; APPLICANT: Fitzmuriel, Leona C.  
 ; TITLE OF INVENTION: RECOMBINANT EXPRESSION SYSTEM BASED ON SATELLITE TOBACCO MOSAIC VIRUS  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Spensley Horn Jubas & Lubitz  
 ; STREET: 1880 Century Park East, Suite 500  
 ; CITY: Los Angeles  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 90067  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/07768-586  
 ; FILING DATE: 19910919  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Wetherell, Jr., Ph.D., John R.  
 ; REGISTRATION NUMBER: 31,678  
 ; REFERENCE/DOCKET NUMBER: PD2164  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (619) 455-5100  
 ; TELEFAX: (619) 455-5110  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 159 amino acids  
 ; TYPE: AMINO ACID  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; FEATURER:  
 ; NAME/KEY: Protein  
 ; LOCATION: 1..159  
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seq\_name: /cgn2\_6/potodata/2/paa/US07TCAAC 2

seq\_documentation\_block:  
 ; Sequence 40, Application PC/TUS9408207A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: The Upjohn Company  
 ; APPLICANT: For U.S. PURPOSES ONLY: Hoogewerf, Arlene J. and Ledbetter, Steven R.  
 ; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND ISOLATE ANTI-HEPARANASE COMPOUNDS  
 ; NUMBER OF INVENTION: 1

NUMBER OF SEQUENCES: 43  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: The Upjohn Company, Intellectual Property Law  
 STREET: 301 Henretta  
 CITY: Kalamazoo  
 STATE: MI  
 COUNTRY: USA  
 ZIP: 49001  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US94/08207A  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Jameson, William G.  
 REGISTRATION NUMBER: 27,199  
 REFERENCE/DOCKET NUMBER: 4731.1 CP  
 TELEPHONE: 616/385-7561  
 TELEFAX: 616/385-6897  
 TELEX: 224401  
 INFORMATION FOR SEQ ID NO: 40:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 72 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 PCT-US94-08207-40

alignment\_scores:  
 Quality: 34.00 Length: 6  
 Ratio: 5.667 Gaps: 0  
 Percent Identity: 66.667  
 seq\_documentation\_block:  
 ; Sequence 40, Application US/08136117  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoogewerf, Arlene J.  
 ; INVENTION: USE OF HEPARANASE TO IDENTIFY AND  
 ; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND  
 ; NUMBER OF SEQUENCES: 40  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: The Upjohn Company, Intellectual Property Law  
 ; STREET: 301 Henretta  
 ; CITY: Kalamazoo  
 ; STATE: MI  
 ; COUNTRY: USA  
 ; ZIP: 49001  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/136,117  
 ; FILING DATE:  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Jameson, William G.  
 ; REGISTRATION NUMBER: 27,199  
 ; REFERENCE/DOCKET NUMBER: 4731.1 CP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 616/385-7561  
 ; TELEX: 224401  
 ; INFORMATION FOR SEQ ID NO: 40:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 72 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single

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 ; Sequence 40, Application PC/TUS94/08207  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoogewerf, Arlene J.  
 ; INVENTION: USE OF HEPARANASE TO IDENTIFY AND  
 ; TITLE OF INVENTION: USE OF HEPARANASE TO IDENTIFY AND  
 ; NUMBER OF SEQUENCES: 43  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: The Upjohn Company, Intellectual Property Law  
 ; STREET: 301 Henretta  
 ; CITY: Kalamazoo  
 ; STATE: MI  
 ; COUNTRY: USA  
 ; ZIP: 49001  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US94/08207  
 ; FILING DATE:  
 ; CLASSIFICATION: 514  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Jameson, William G.  
 ; REGISTRATION NUMBER: 27,199  
 ; REFERENCE/DOCKET NUMBER: 4731.1 CP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 616/385-6897  
 ; TELEX: 224401  
 ; INFORMATION FOR SEQ ID NO: 40:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 72 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single

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; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-136-117-40

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; Quality: 34.00 Length: 6
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; Percent Similarity: 100.000 Percent Identity: 66.667

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seq_documentation_block:
; Sequence 6, Application US/08470323A
; GENERAL INFORMATION:
; APPLICANT: WILLIAMS, TIMOTHY J.
; APPLICANT: JOSE, PETER J.
; APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
; APPLICANT: HSUAN, JOHN J.
; TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
; FILE REFERENCE: 550-33
; CURRENT APPLICATION NUMBER: US/08/470-323A
; CURRENT FILING DATE: 1995-06-05
; EARLIER APPLICATION NUMBER: PCT/GB94/02006
; EARLIER FILING DATE: 1994-09-14
; EARLIER APPLICATION NUMBER: GB 9318984.3
; EARLIER FILING DATE: 1993-09-14
; EARLIER APPLICATION NUMBER: GB 94086902.2
; EARLIER FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 6
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; ORGANISM: human
; US-08-470-323A-6

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seq_documentation_block:
; Sequence 20, Application US/08479603
; GENERAL INFORMATION:
; APPLICANT: Godisra, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402

computer_readable_form:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,603

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; FILING DATE: 530
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/326280
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEX: 312/474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
; US-08-479-620-20

; alignment_scores:
; Quality: 34.00 Length: 6
; Ratio: 5.667 Gaps: 0
; Percent Similarity: 100.000 Identity: 66.667
; seq_documentation_block:
; Sequence 20, Application US/08558658
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE
; TITLE OF INVENTION: ANALOGS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/558,658
; FILING DATE:
; CLASSIFICATION: 530
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/479,620
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/33009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEFAX: 312/474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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; OTHER INFORMATION: "Hu MCP-2"
; US-08-558-658-20

; alignment_scores:
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; seq_documentation_block:
; Sequence 20, Application US/08479620
; GENERAL INFORMATION:
; APPLICANT: Godiska, Ronald
; APPLICANT: Gray, Patrick W.
; TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,620
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/326280
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
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; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; FEATURE:
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; OTHER INFORMATION: "Hu MCP-2"
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seq_documentation_block:
; Sequence 3, Application US-08716188
; GENERAL INFORMATION:
; APPLICANT: KELLY, RODNEY W
; TITLE OF INVENTION: USE OF MCP-1 FOR INDUCING RIPENING OF
; SEQUENCES
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHUE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US-08/716,188
; FILING DATE: 30-SEP-1996
; CLASSIFICATION: 530
; PRIORITY APPLICATION DATA:
; REGISTRATION NUMBER: 36,663
; APPLICATION NUMBER: PCT/GB95/00733
; FILING DATE: 31-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9406463.1
; FILING DATE: 31-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; TELEPHONE: 703-816-4091
; TELEFAX: 703-816-4100
; REFERENCE/DOCKET NUMBER: 1117-219
; TELECOMMUNICATION INFORMATION:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-716-188-3

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; IllethrCysCysPheAsn 14

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; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/067,447
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/939,107
; FILING DATE: 26-SEPT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/660,542
; FILING DATE: 7-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/558,658
; FILING DATE: 16-NOV-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/479,620
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: GASS, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 27866/34404
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 253856
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: "Hu MCP-2"
; US/09-067-447-20

alignment_scores:
Quality: 34.00 Length: 6
Ratio: 5.667 Gaps: 0
Percent Similarity: 100.000 Percent Identity: 66.667

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seq_documentation_block:
Sequence 20, Application US/09067447A
GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Raport, Carol J.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE (MDC), AND CHEMOKINE ANALOGS AND ASSAY TO IDENTIFY MODULATORS OF MDC ACTIVITY
TITLE OF INVENTION: AND THERAPEUTIC USES FOR SAME
FILE REFERENCE: 27866/34404
CURRENT APPLICATION NUMBER: US/09/067,447A

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